

PR POLYMERS

POLYURETHANE SPECIALISTS



EXPOMIN Virtual
10–13 November 2020

TIQ Trade & Investment
Queensland
AUSTRALIA



**Queensland
Government**

ABOUT US

PR Polymers experience, technology, expertise, R&D over the years has been producing durable and reliable wear parts which can be used to replace components in a range of OEM parts. Our products are designed to perform in severe conditions and wear applications where they are exposed to maximum abrasion and corrosion resistance is required.

Founded in 1992

Specialises in mineral processing products, wear products, customized polyurethane parts, drilling consumables and air decking/stemming products (open-cut and underground) for the mining and drilling industries

Product manufacturing in Brisbane, Australia

Quality Management System (ISO9001:2015)

Environmental Management System (ISO14001:2015)

SERVICES AND CAPABILITIES

PR POLYMERS (PRP) is a well acclaimed firm with a reputation of providing both reliable and innovative solutions in wear applications. We are a leading manufacturer and supplier of wide range premium wear products relating to Mining, Oil and Gas, Energy, Utilities and Construction. PRP are the experts in Wear Protection, Poly Urethane products, Conveyor Belts, Rubber Sheeting, Steel liners Ceramics, Adhesives and Material Handling Solutions.

We offer innovative, cost saving solutions and turnkey packages for all wear issues, design, manufacturing, installation, performance, and engineering services.

Over the years, PRP has developed solid reputation of providing customised solutions, quality wear products with quick turnaround times.

We undertake variety of large & medium scale projects and execute them utilising proven and well-established delivery practices, driven to succeed and perform better with highly skilled team comprising of qualified and experienced consultants, project managers, engineers, designers, technical staff, sales and marketing personnel.

We follow a well-planned strategy to suitably manage the four key elements related to any engineering projects – **Scope, Resources, Cost and Time**. We are constantly thriving to reach new heights by executing well thought out plans and benchmark processes.



OPEN CAST
POLYURETHANE
MOULDING



ENGINEERING AND
MACHINING



ABRASIVE BLASTING
AND CORROSION
REMOVAL



CAD PART AND
MOULD DESIGN



FABRICATION AND
WELDING



REVERSE
ENGINEERING



OPEN CAST POLYURETHANE MOULDING

We cast polyurethane MDI and TDI elastomers in a variety of shapes, hardness' and colours. Large parts can be poured in the over 19 m³ of oven space we have on site.

The largest ovens can handle parts within:

- 4m long x 1.2m wide x 600mm high
- 3m long x 1.2m wide x 1.2m high
- 1.7m long x 1.7m wide x 1.45m high



ENGINEERING AND MACHINING

Capabilities:

- CNC Lathe – 460mm ϕ x 2.5m long
- CNC Mill – Travel 1.7m (x) 460mm (y) 615 (z)
- Largest Lathe – 640mm ϕ x 5m long

This flexibility allows us to manufacture most moulds, and machined parts in house, significantly reducing costs and lead times.



ABRASIVE BLASTING, SURFACE PREPARATION & TREATMENT



- Our sandblasting booth can accommodate large parts for surface preparation and cleaning.
- We use Metablast 12 grit, a metal blasting media for an aggressive clean of corroded or coated parts. After years of testing we find this gives the best resultant surface for bonding polyurethane to both ferrous and non-ferrous metals.
- Having our own on-site blasting means freshly prepared parts can be bonded within minutes, removing the chance of surface degradation, Oxidization or corrosion and ensuring the strongest bond.

CAD CAPABILITIES TO DESIGN & MOULD

Using Solidworks® Professional CAD software, we have in house design and drafting capabilities that include part and mold design. 3D modelling of parts and assemblies and direct CAM output to our machine shop.



Fabrication and Welding

Fabrication Capabilities:
Water and laser cutting
Sheet folding and rolling
Brake presses and guillotines
MIG welding

With these abilities we can make molds and fabricated parts (i.e. plenum chambers) in house.



POLYURETHANE ADVANTAGES & PROPERTIES

Polyurethane is an extremely versatile elastomer used in countless applications worldwide. Polyurethane's mechanical properties can be isolated and manipulated through creative chemistry which creates several unique opportunities to solve problems with performance characteristics unequalled in any other material. Our understanding of how to seize these opportunities allows Precision Urethane to provide, Tailored Solutions and Designs Through Polymeric Innovation

Our Polyurethane boasts the following qualities:

- The main advantages of castable polyurethanes over rubber is their abrasion resistance. High wear resisting - Anti-resistant performance is from 0.01-0.10 (cm³) /1.61km, Duration will be longer 3-5 times than rubber.
- Low friction coefficient, when compared to Rubber; extremely slick when wet
- High load resistance, far superior to Rubber, metals and other plastics in its ability to absorb energy, sounds and vibrations
- Chemical resistance, excellent with oils, acids, bases, hydrocarbons
- Hydrolytic stability, formulated to resist water absorption without losing its performance
- High acid and alkali resistance
- Good Vibration absorption
- Can be machined to required surface finish and profiles.
- High strength - Break strength and bearing capacity is higher than rubber.
- Noise abatement, excellent to suppress sound
- The combination of a high tear resistance and a high modulus is what gives polyurethanes this advantage.
- Wider durometer range option to choose. With the high hardness, the Polyurethane parts still have the good elongation and elasticity. The hardness of Polyurethane parts is at Shore A10-D80
- Significantly lower moulding costs
- Ozone resistance
- Poly can be offered in various colours which allows colour coding of parts or possibly matching the company's logo.
- Oil resistance: As a kind of high molecular compound.
- Polyurethane parts have high radiation resistance.

POLY LINERS APPLICATIONS

- Pipe and cyclone lining
- Lining sectors for screw classifiers
- Truck bed lining
- Chute and hopper lining
- Wheels and rollers from small to large and oversize
- Conveyor pulley lagging
- Steel rims fabricated, Polyurethane tyres cast, machine finished to size. Suitable for light, medium and heavy- duty applications, also nylon tyres for extreme loading
- Polyurethane lining of cyclone components
- Hot cast cyclone spigots
- Conveyor scrapers and wipers
- Tubes, rods and custom mouldings, special mountings and bushes
- Bow ends for transportation industry
- Flotation diffusers
- Wear blocks
- Impeller
- Diffuser Ring
- Oil Housing
- Lower Diffuser
- Strainer
- Upper & Lower Impellers
- Suction Cover
- HI-flow Strainer
- Shaft Sleeve
- Wear Rings

COMPOSITE POLY WHEELS AND ROLLERS

PR POLYMERS has the capabilities to line new wheels and refurbish old wheels. We have a fully equipped machine shop with CNC machines.

The wheels can be machined to required surface finish and profiles. Our experienced team will advise and offer the right type of polyurethane to be used in any given application which will perform better and extend the services life

PR POLYMERS offers a high-performance polyurethane lagging a range of Conveyer rollers, Pulleys, Standard Wheels & Rollers, Trommel wheels, Guide Wheels/Trackers, Drive rollers, Idlers and Feed rollers.

Advantages of PR Polymers PU:

Locally Manufactured

Tailored Solutions and Designs Through Polymeric Innovation

High-Grade Durability with excellent abrasion resistance

Thorough Preparation before hot casting the product

Intelligently Formulated Properties, which offers a Higher resilience

High load resistance and high energy absorption

Controlled curing environment

Increase plant equipment lifespan

Reduced noise levels

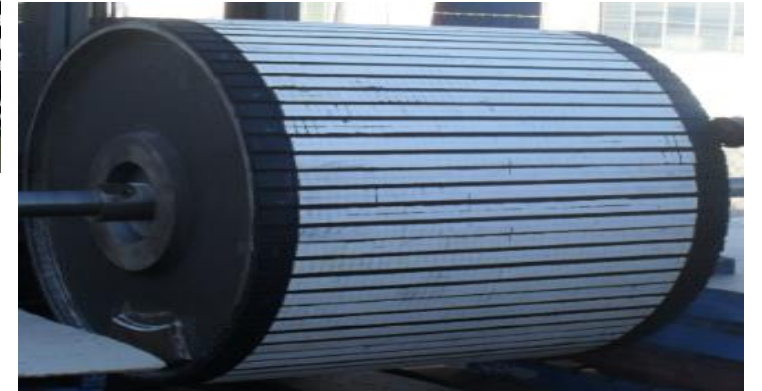
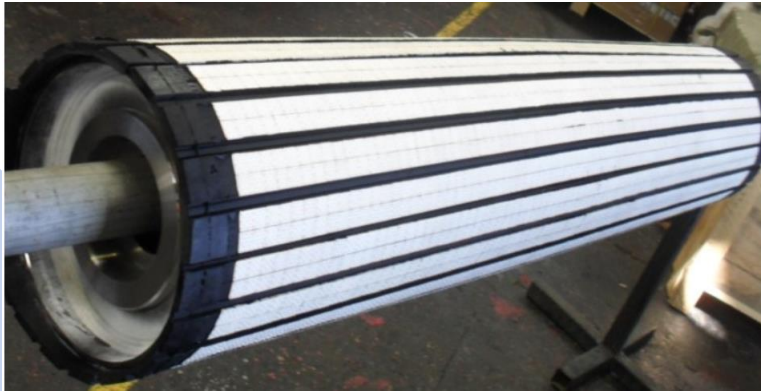
Extremely strong chemical bonding

No Porosity, No Air entrapment

Significantly lower moulding costs, as the tooling is done in-house



PULLEY LAGGING



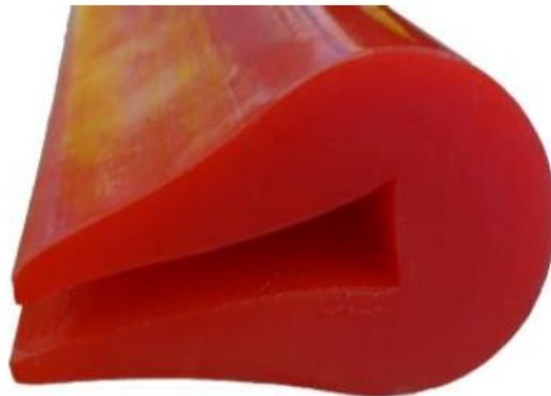
POLY – PIPE SLEEVES



POLY SKIRTINGS - CAPPING - SHEETING



Poly Skirting is available in many dimensions depending on your requirements. Skirting rubber is essential to improve conveyor belt performance and to reduce spillage and down time. It is used to reduce belt slippage, improve tracking and extend the life of the belt, bearings and other components. Our skirting and capping is available in Rubber and Polyurethane.



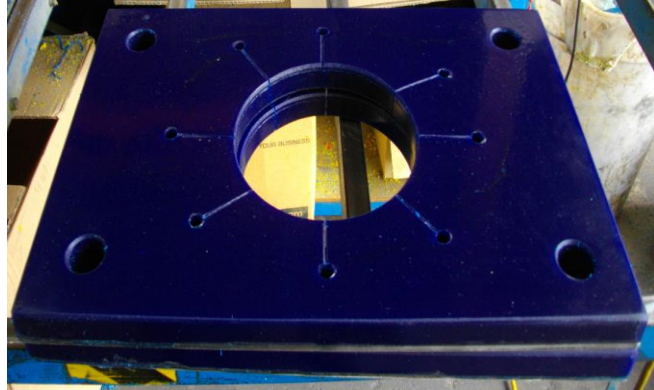
PRE-ENGINEERED POLYURETHANE PRODUCTS



POLY PRODUCTS



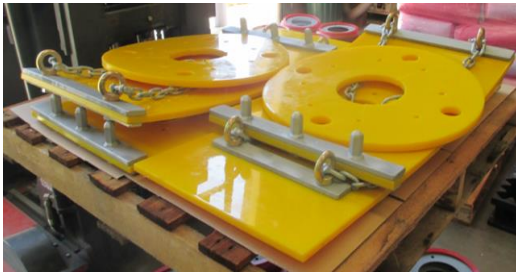
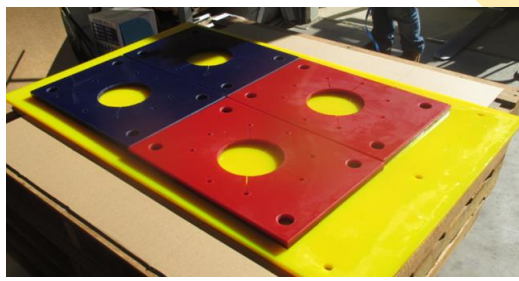
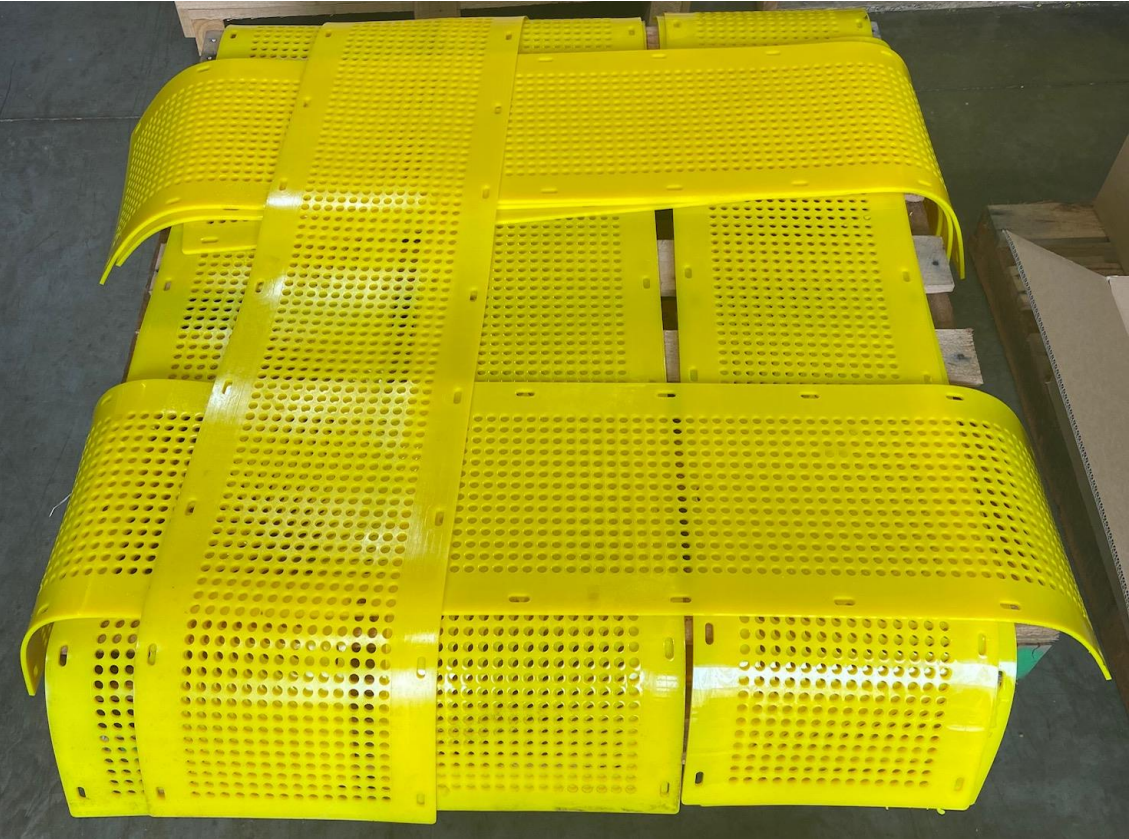
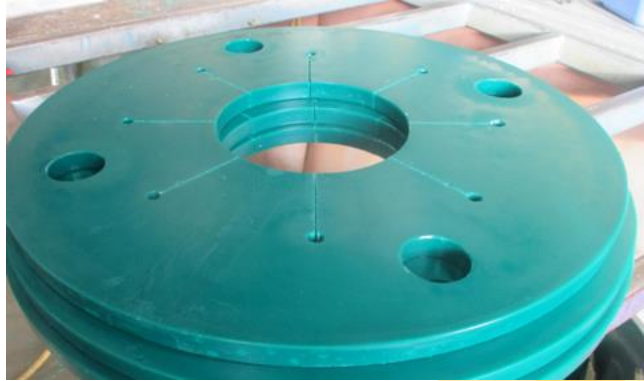
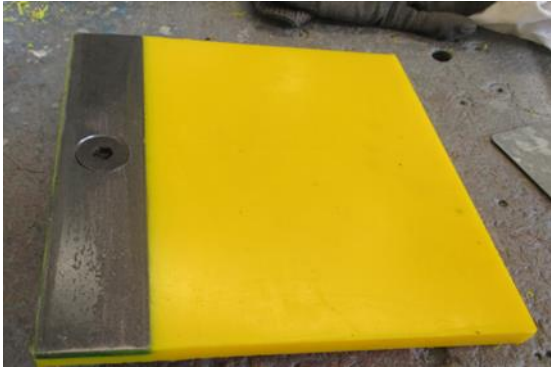
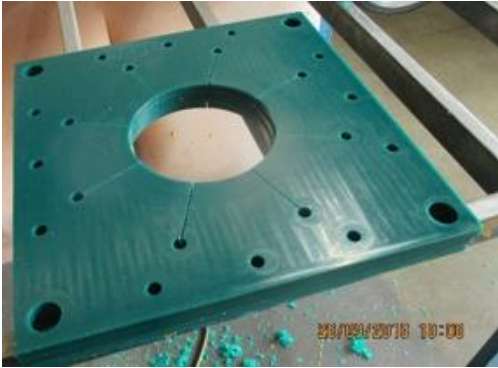
CABLE CONVEYOR RIMS



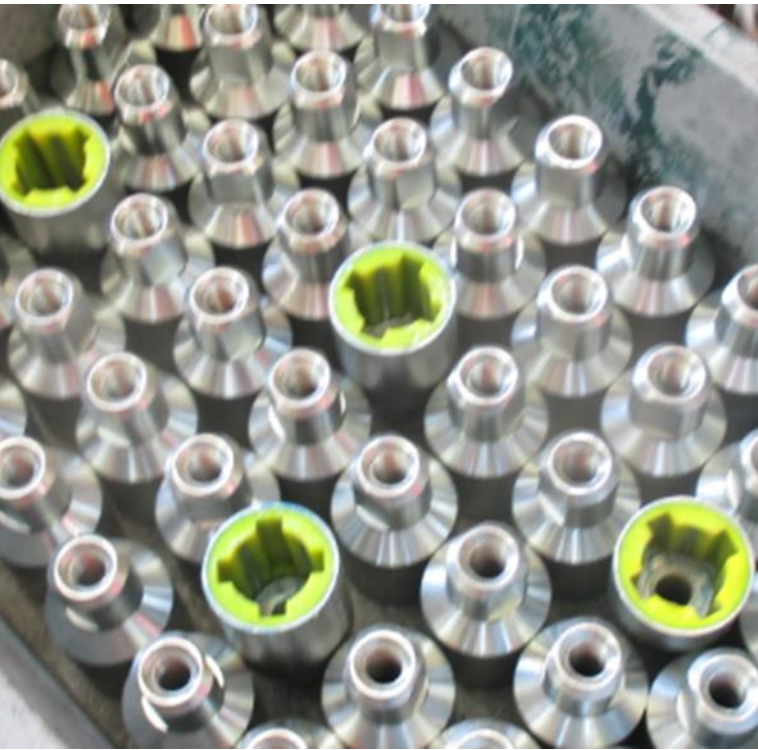
POLY PRODUCTS



POLY PRODUCTS



POLY PRODUCTS



DRILL AND BLAST COMSUMABLES

KoolKap® Charge Bag (KCB)

A recurring problem on site is blasting in wet areas of the mine. Whether static or dynamic, it is always a challenge to deal with water.

KoolKap® Charge Bags are a self-contained decoupled charge for use in the larger diameter blast holes of open cut mining, especially coal and iron ore mines. They can hold up to 100kg of product and the booster/primer can be placed directly in the product or in the external pouch.

The bag can be tied closed to prevent contamination during its lowering down the hole, allowing you to use dry product in wet holes and it won't be washed out by dynamic water.

The KoolKap® Charge Bag prevents dead pressing in blast columns over 70 metres and can be placed precisely adjacent to hard bands in wet holes.

You can also suspend the charge at whatever depth you need to reduce powder factors in blown out holes or in pre-splits.

Loading and Use

There are a couple of methods to load the bags. One is with a spitz lift. The bag can be hung on the frame while you pump/auger product into the bag then simply lower the bag down the hole to your desired depth with the winch. There is also a trapeze system that can be suspended from LV cranes.

In conjunction with one of our customers, we have also developed the KBB lowering device which can be used from a forklift.

Environment

Contamination of creeks and ground water is a major concern. In holes with dynamic water, gels and emulsions can get washed out and enter the water table. Having a sealed charge eliminates the problem.



KoolKap® Down-Under Bags

KOOLKAP® Down-Under bags, as used in both open cut and underground blasting, are a self-inflating bag that, when activated and lowered down or placed up a blast hole, will seal off the blast hole, giving you an effective deck for loading explosives and/or stemming.

They save you time and money with a variety of uses:

- Air decking for pre-splits, significantly reducing your powder factor.
- When loading de-watered blast holes, you can deck above the water and use less emulsion.
- Deck for stemming to prevent contamination of the explosives.
- Air decking for standing off the coal/ore bed to reduce shock damage.
- For multi decking in through seam blasting.

Reliable

A failure costs you time and money and increases the risk of injury. PR Polymer's goal is to achieve zero failure for the KOOLKAP® Down-Under bags. The patented activator cap cools during operation, reducing misfire and making them ideal for both hot and cold conditions.

KOOLKAP® Down-Under bags have been tested in the Colorado winter, and up to 65°C in the Australian summer, making them ideal for all conditions. We also customise bags to suit high altitude locations like the Andes and Rockies.

You need reliable products like our range of KOOLKAP® Down-Under bags because you can't afford to waste time plugging the same blast hole twice.

Flexible

KOOLKAP® Down-Under bags are manufactured in our Brisbane factory and custom made to meet each individual mine site's requirements.

We have a range of different bags to suit the various environmental and timing requirements. KOOLKAP® Down-Under bags are available in the following styles:

KOOLKAP® Down-Under CLASSIC

Our classic, environmental award winning KOOLKAP® Down-Under bags are tough and dependable and the foundation on which all our KOOLKAP® blasting products are based. With over 20 years in the field and with improvements and innovation based on customer feedback, the KOOLKAP® bags lead the way in decking solutions for your blasting programs.

Our KOOLKAP® Down-Under Classic bag uses our globally patented process, converting DME to pass the ADG7 code as a non-flammable product. With a low GWP (Global Warming Potential) of 1, it's safe for the environment and your shot-firers too.



KOOLKAP® Down-Under HD

The Heavy-Duty plastic technology developed by the R&D team at PR Polymers stems from over a decade of experience in the harshest conditions of mines located around the world, where performance is paramount.

PR Polymers' KoolKap® Down-Under HD bags support heavy load faster and more reliably because of its unique co-extrusion construction.



KOOLKAP® Down-Under LQ

KoolKap® Down-Under LQ presents a new range of cost-effective bags based on local customisation and improvement. The specification allows us to customise load and grip time specific to your onsite requirements based on excellent performance, strength, quality and reliability.

With no compromise in the raw materials used, savings are simply passed on to the customer based on efficiency through our local manufacture, supported by our single-phase patented brew. Most importantly, the environmental characteristics and safety considerations are second to none in the industry.

The KoolKap® Down-Under LQ has already become a market leader and preferred global solution since its launch in 2016.



KOOLKAP® Down-Under DUO

For more timing options for grip, the KoolKap® Down-Under DUO has a unique double ended aerosol can providing up to 4 individual speed settings. They are great for sites with varied conditions. One bag type can handle changes in hole depth, angled



KOOLKAP® Down-Under HOT HOLE

With a specially formulated mixture in the aerosol in addition to a protective outer bag, we produce two high temperature/hot hole bags. The High Temp 80° – 100°C bag and the Very High Temp 100° – 120°C bag.

Available Bag Sizes

KOOLKAP® Down-Under bags are made to suit a range of blast hole diameters. We recommend using the intended bag for the blast hole diameter as using a larger bag in a smaller blast hole could put excessive pressure on the bag causing it to fail and/or compromise the blast hole.

We can customise bags to suit combined hole dimensions in certain applications based on the next size up or down. Gas brews are formulated accordingly for such requirements.

089mm	3½"
102mm	4"
115mm	4½"
127mm	5"
140mm	5½"
165mm	6½"
200mm	7 7/8"
230mm	9"
250mm	9 7/8"
270mm	10 5/8"
311mm	12 ¼"

Environmentally Safe

KOOLKAP® Down-Under bags have been recognised by the Aerosol Associations of Australia and New Zealand for their contribution to environmental sustainability in the aerosol industry.

KOOLKAP® Down-Under bags were awarded the sought after “Award for Environmental Achievement and Sustainability” by the Aerosol Industry.

KOOLKAP® Down-Under bags are recognised as the most reliable, flexible, robust and safe product available on the market

KOOLKAP® Down-Under bags use a patented process of dissolving Dimethyl Ether in an aqueous solution.

Combined with a unique and patented actuator cap, the result is a bag with unparalleled performance and with real environmental and safety advantages over alternative technologies which use propellants with a high Global Warming Potential.

Product Testing and Conformance

Together with environmental sustainability, we know that safety is the biggest priority on any mine. It’s something we take very seriously, and we test our products to extreme lengths that far exceed what they should face in the field.

Load Testing

With the use of steel billets and a simulated bore hole (we use a concrete lined sleeve) we compression test our bags. We do this to test the bag’s integrity and also to check for slippage.

Australian Standards Testing

To ensure we comply with the latest Australian Standards for aerosols (ADG7) we test all formulations of our bags to make sure we adhere to the guidelines for either class 2.1 flammable or class 2.2 non-flammable. Third party testing and certification is provided by Falcon Engineering, a N.A.T.A world recognized accredited testing authority.

Quality Management System

PR Polymers operates under a “Quality Management System” which complies with ISO 9001:2015, the purpose of which is to meet or exceed customer expectations.

The Quality Management System requires employees to comply with all company procedures and related Quality Manual Forms (QMF) for maintained checks, sign off and quality control.

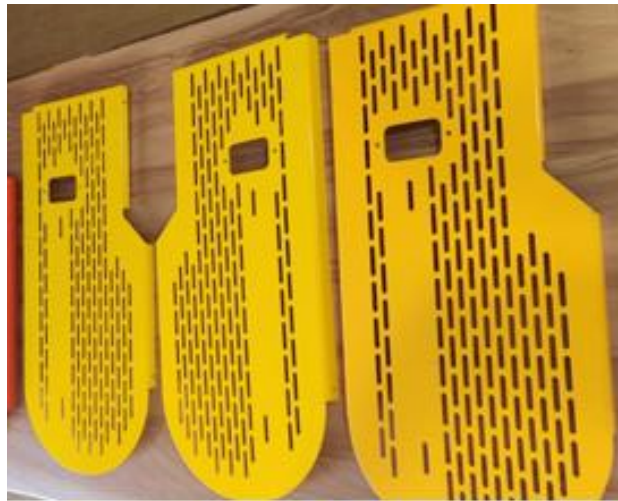
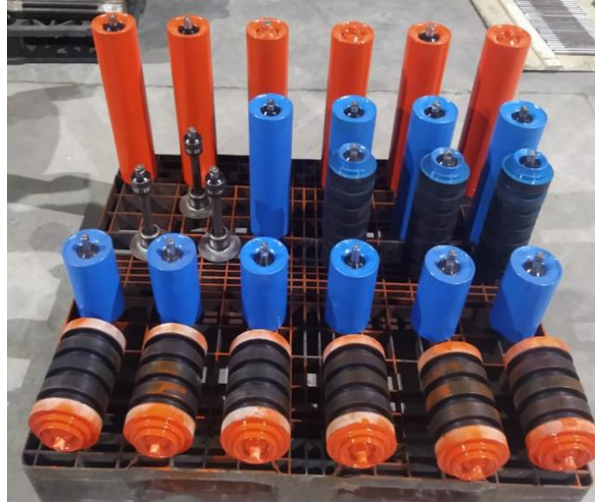
1. All raw materials go through rigorous testing prior to being authorised for production.
2. Batch numbers are recorded on file, supported by the appropriate QMF for every bag manufactured.
3. Retention samples for each pallet are made and kept for a period of 12 months.
4. Sacrificial quality samples are tested for inflation through the manufacture of each pallet.
5. Routine integrity seal tests are done on the plastic from each sealing machine to make sure seals conform to each batch made daily.
6. Final packaging, labeling and inspection is done by the Supervisor and signed off as checked for every pallet dispatched.

KOOLKAP® Duo Liners

- Robust laminated polypropylene cloth
- Factory sealed for sure water resistance
- Made to length with overhang for filling
- Protects charge from wet walls
- Ballast pocket in nose cone
- No cutting or tying
- Suitable for dry and de-watered holes with voids
- Suitable for Static, Muddy, Damp drilled holes
- Easy to use for site personnel
- No subcontract costs and unforeseen delays



PR POLYMERS ROLLERS - DuraRoll



WHY PR POLYMERS ROLLERS - DuraRoll

- Our manufacturing unit has been producing rollers since 1995.
- Servicing a vast range of industries, you will benefit from our strengths in industry experience, reasonable lead times, reasonable pricing real customer service and a commitment to exceed your requirements.
- We offer Short Turnaround Time which allows our customers to have minimal disruptions to their day to day operations.
- Our aim is to deliver high performance Idlers & Conveyor Component with an efficient production unit overseas, processing and warehousing facility in Australia.
- We strive exceed our customers expectations in quality, service and innovation through continuous improvement and customer interaction.
- We are proud to be Australian owned and operated, the rollers are manufactured under strict controlled environment comply with Australian Mining Standards
- Global Distribution Network
- We have the Capacity to produce – 1000 rollers/day
- We follow the best manufacturing practices and Inspection Methods. 1 in every 10 rolls tested throughout the production cycle.
- Our rollers adapt to any type of frames, we specialize in retrofitting idlers and rollers. We manufacture to suite the dimensions of your current frames by using our retrofit roller.

ROLLERS – IDLERS - FRAMES

Rollers:

Aluminum, Composite & Steel

89 to 250mm diameter*

6204 to 6312 bearings

Bearings - SKF, FAG, NSK or URB

HDPE/UHMW/ Nylon/Polyurethane Rollers

Hollow shaft, HDPE Sleeved, PU & Rubber Disc Returns

Standard Trough, Suspended/Garland & Impact

Special designs - Solid bearing housings, live shaft idlers etc.

Shafting machined and drawn as standard

Carry Rollers

Return Rollers

Rubber Lining Rollers

Taper Rollers

Guide Rollers

Disc return Rollers

Idlers:

Equal Troughing Idlers

Unequal Troughing Idlers

Offset Idler/ Transition Idler

Impact Idler

Self-Aligning Carry Idler

Self-Aligning Return Idler

V- Carry Frames

V-Return Frames

Return Bracket

Conveyor Safety Guards

DuraRoll – STEEL ROLLERS



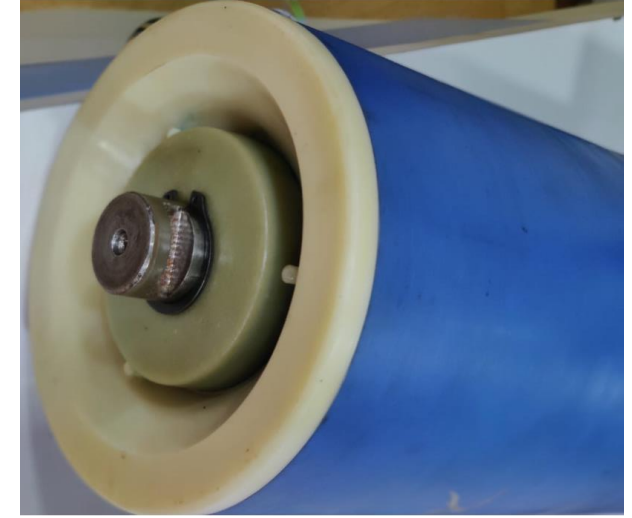
IDLER SEALING ARRANGEMENT



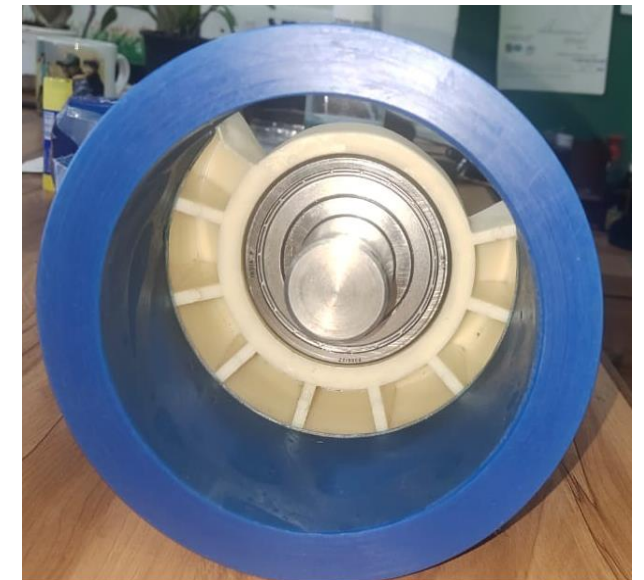
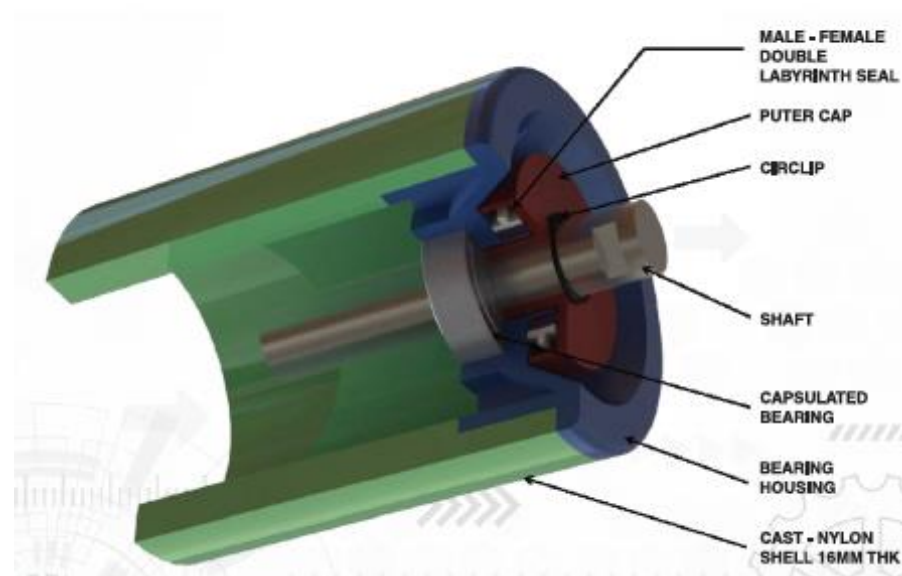
DuraRoll – IMPACT ROLLERS



CoreTuff – HDPE/COMPOSITE/CAST NYLON ROLLERS



The bearing is placed behind the Housing Guard, fully concealed and encapsulated. This will totally avoid any water ingress. The smooth surface of the housing guard provides for optimal operation of the centrifugal seal.



COMPOSITE ROLLERS OPERATIONAL BENEFITS:

- **Up to five times longer operational life over steel rolls**
- **Excellent abrasion resistance**
- **Non-corrosive**
- **Minimal Vibration**
- **Watertight sealing arrangement**
- **Substantial reduction in system power requirements**
- **Does not causing damage to the belt by “pizza wheeling”**
- **Average 10dB drop in sound emissions over steel rolls**
- **Can be installed in almost any application where steel rollers are used**
- **Longevity of composite rolls will dramatically improve conveyor uptime and productivity**
- **Smart component configuration has improved overall operational performance over competitive rolls**
- **Extends the lifespan of bearings**
- **Performs well in harsh weather and extreme applications**
- **No risk of end cap separation/failure**
- **Tubing machine finished, near perfect TIR <0.3mm**
- **Anti-Acidic / Anti-Alkaline / Anti-Static**
- **Higher accuracy in Dynamic Balancing**
- **Suitable for High Humidity and High Pollution Environments**

COMPOSITE ROLLERS SAFETY BENEFITS:

- **Weight reduction up to 60% of a steel roller**
- **Lower roll maintenance requirements**
- **Lighter weight construction will reduce the potential for lifting (back) and pinch point injuries**
- **Fire Resistance and Anti-Static Compliance for use in underground applications**
- **Smart design reduces heat build-up and friction**
- **No injuries as there are no occurrence of “pizza wheeling”**

COMPOSITE ROLLERS FINANCIAL BENEFITS:

- **Reduction in work related injuries**
- **Reduction in cost of spares**
- **Reduction in conveyor damage and downtime**
- **Reduction in labour costs**
- **Energy Efficient - Electricity usage savings**
- **Reduction in noise violations**
- **Economical option as it Reduces Total Cost of Ownership**
 - **Power Saving**
 - **Lowers maintenance costs**
 - **Low probability of roller failures**
 - **Greater Productivity due to lesser down time**

Properties Of Nylon Roller

MECHANICAL

Property	Test Method	Unit	NYLON
Tensile Strength 23°C	ASTM D 638	kgf/ cm ²	840-980
Modulus of Elasticity 23°C	ASTM D 638	kgf/ cm ²	24600-31600
Hardness Durometer 23°C	ASTM D 785		D80 to D85
Flexural Strength 23°C	ASTM D 790	kgf/ cm ²	1050-1100
Deformation under Load (140kgf/ cm ² at 50°C)	ASTM D 621	%	05.-1.0 (after 24 hrs)
Impact Strength (Lzod) 23°C	ASTM D 256	kgf/ cm ² of notch	5.4
Specific Gravity			1.15-1.16
Water absorption 24 hours	ASTM D 570	%	08.-1.14

THERMAL

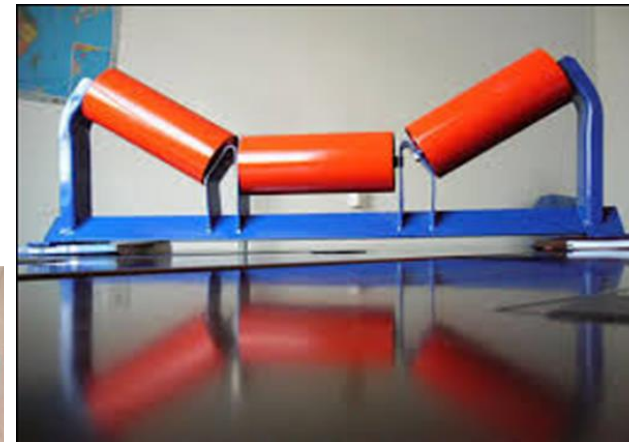
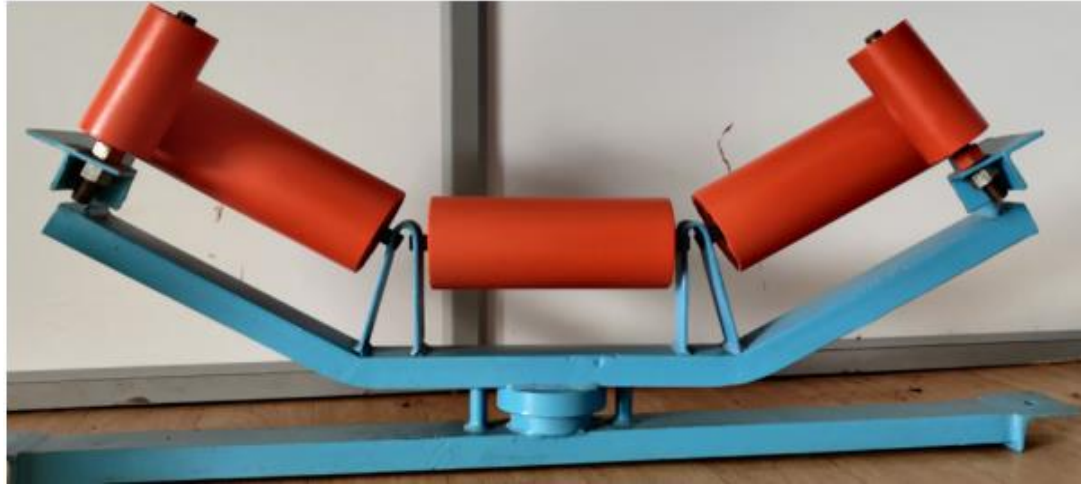
Property	Test Method	Unit	NYLON
Melting Point	ASTM D 789	Degree C	220/225
Deflection Temperature 4.6 kgf/ cm ²	ASTM D 648	Degree C	155-165
Thermal Coefficient of linear thermal expansion	ASTM D 696	mm/mm oC	6.5x10.5 Self extinguishing

ELECTRICAL

Property	Test Method	Unit	NYLON
Dissipation factor 50-166 Hz (C/sec)	ASTM D 150		0.02
Dielectric Strength short term 0.5mm thick	ASTM D 149	KV/mm	>20
Volume resistivity	ASTM D 257	Ohm/cm	>10 ¹²

Name Of Tests	Unit of Measure	Derived Results	Test Method
Surface Resistivity	Ohms / Square	1x10 ⁹	ASTM D 257
Flammability	Ohms / Square	Confirms to V ₀ Rating	UL-94

DuraTuff - FRAMES



OVERSIZE COMPOSITE POLY WHEELS AND ROLLERS

PR POLYMERS has the capabilities to, line new wheels, refurbish old wheels.. We have a fully equipped CNC machine shop to machine the wheels to the required surface finish and profile. Our experienced team will advise and re-engineer the poly to last longer in any given application. Offer the right type of poly to be used in the application.

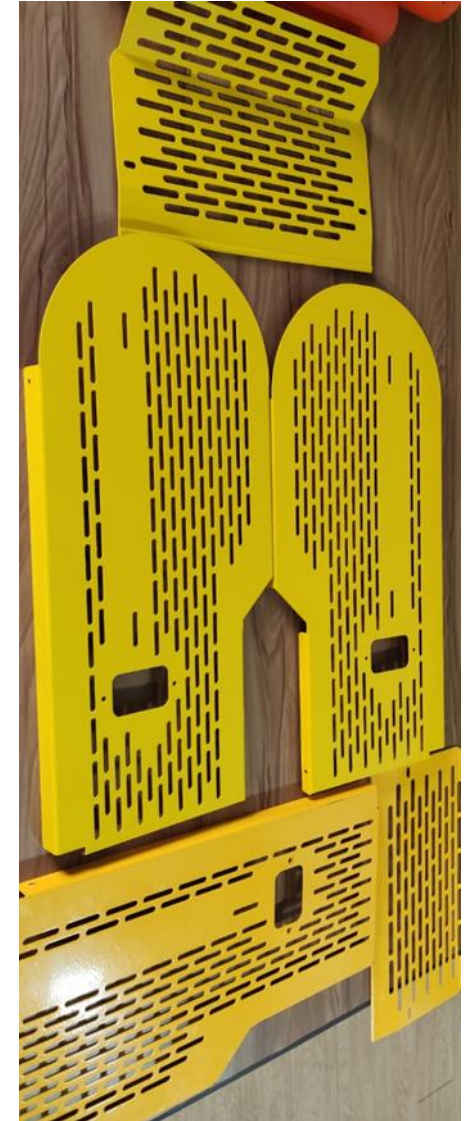
PR POLYMERS has years of experience in lining a range of Conveyor rollers, Pulleys, Wheels, Standard rollers, Trommel wheels, Guide Wheels/Trackers, drive rollers Idlers and Feed rollers.

Advantages:

- Locally Manufactured
- High-Grade Durability with excellent abrasion resistance
- Thorough Pre-Prep before casting the product
- Intelligently Formulated Properties, which offers a Higher resilience
- Mastered the Art of Pouring process and technics
- Controlled curing environment
- Increase plant equipment lifespan
- Reduced noise levels
- Higher chemical bonding strengths
- No Porosity, or air entrapment



ProGard - CONVEYOR SAFETY GUARDS



TESTING AND INSPECTION



Run Out Test



Rotation & Friction factor Test



Dust Ingress test

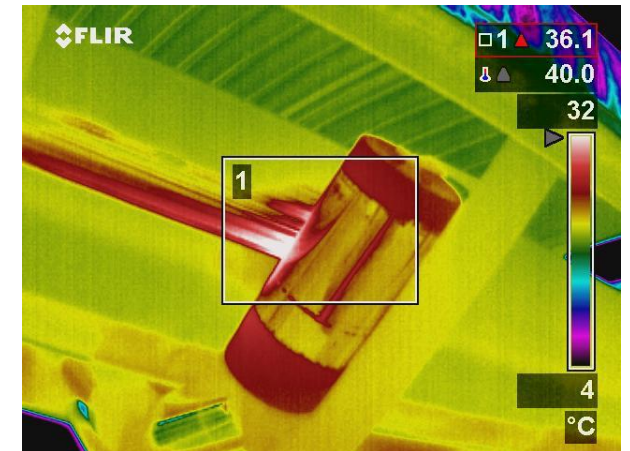


Water Ingress Test

Weld Quality Test
Bearing Genuinity Test
Progressive Stage Inspection



Hot Spot Heat Detectors



Thermographic Inspection

DRILL AND BLAST PRODUCTS FOR UNDERGROUND MINING



KOOLKAP® Down-Under bags, as used in both open cut and underground blasting, are a self-inflating bag that, when activated and lowered down or placed up a blast hole, will seal off the blast hole, giving you an effective deck for loading explosives and/or stemming.

PRODUCT DESCRIPTION – KOOLKAP® Down-Under bags

PRODUCT CODE – KK series

APPLICATION - Open cut and Underground blasting

COLORS AVAILABLE - Natural light yellow

MOQ – 1 X PALLET / 800 Units

PLEASE CHECK THE BELOW LINK TO SEE OUR ENTIRE RANGE OF KOOLKAP® Down-Under bags <https://prpolymers.com/product/koolkap-down-under-classic/>



PRODUCT DESCRIPTION - Hole Tags

PRODUCT CODE - HTL-R

APPLICATION - Tagging Holes

COLORS AVAILABLE - Yellow, White and Red
(Different colors can be made available on request)



PRODUCT DESCRIPTION - Mast slide

PRODUCT CODE - Client Specific

APPLICATION - Consumable Drill Wear Part

COLORS AVAILABLE - Dark Blue (Different colors can be made available on request)

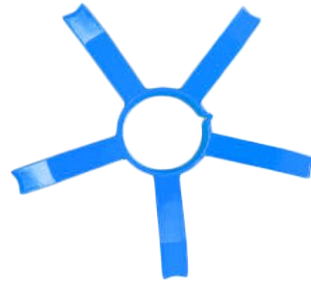


PRODUCT DESCRIPTION - V -Slides for Drills

PRODUCT CODE - V -Slides (Client Specific)

APPLICATION - Consumable Drill Wear Part

COLORS AVAILABLE - Yellow (Different colors can be made available on request)



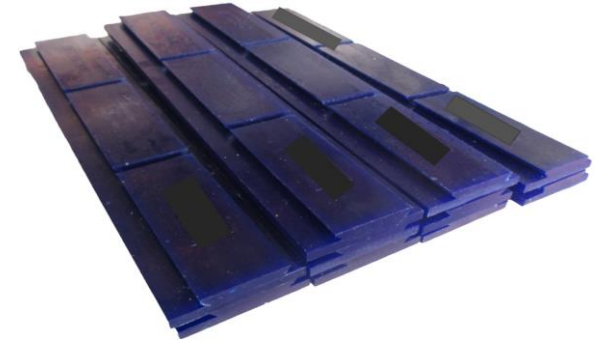
PRODUCT DESCRIPTION - Spider

PRODUCT CODE - Client Specific

APPLICATION - Underground Mining consumable

COLORS AVAILABLE - Light blue

3000 / 1 x pallet

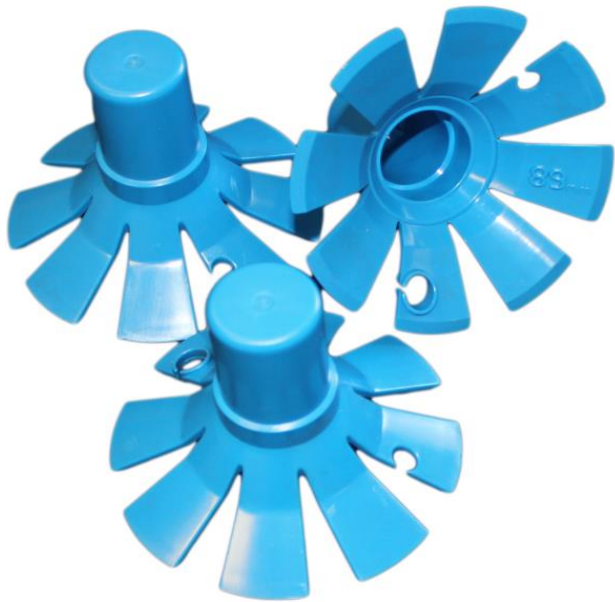


PRODUCT DESCRIPTION - Wear Slide

PRODUCT CODE - Client Specific

APPLICATION - Consumable Drill Wear Part

COLORS AVAILABLE - Dark Blue (Different colors can be made available on request)



Bottom Booster Centralizers are used for Underground Mines

Designed to suit 76 mm- 102 mm holes. Retains explosive / emulsion in up-hole applications

Bright blue centralize plug, positions the bottom of the Booster away from the sidewall

Supports and protects loading of KoolKap Down-Under bags in up-hole air decking

Injection moulded and made from robust rigid ABS

Sold in boxes of 200 units / 2400 units per pallet

PRODUCT DESCRIPTION - Bottom Booster Centralizers

PRODUCT CODE - BBC-89

APPLICATION - Underground Mines

COLORS AVAILABLE - Light Blue

1 x pallet / 2400

Bottle Brush - Our Bottle brush is ideal for up hole applications for underground Mining. Bottle Brushes are used in Pre-Charging the holes in the un-charged collar range.

Durable and highly visible polypropylene bristles locked within a spiraled plastic-coated wire stem with protective end cap. Supporting an extra-large eyelet making it very easy in adding hole tags with the versatility of working with your charge hose.

Different sizing is available on request to support the best application for your hole diameter

PRODUCT DESCRIPTION - Bottle Brush

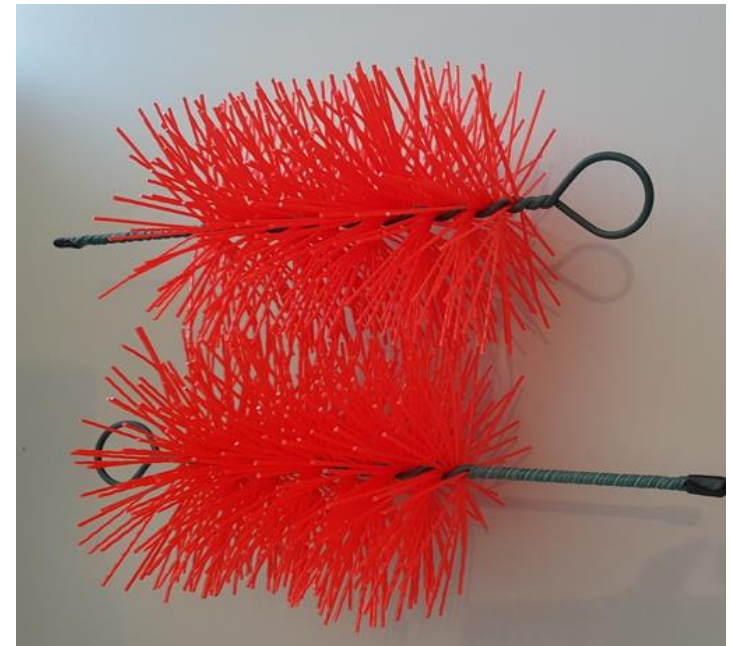
PRODUCT CODE – BB102

APPLICATION - Used as a retention plug in underground Mining.

COLORS AVAILABLE - RED

SIZES - 102MM (Different sizes can be made available on request)

1 x pallet 960 units



PR POLYMERS - Magnum Wear Products

Magnum Abrasion Rubber

Pro Abrasion Rubber for Lining of Chutes, Hoppers, Spools, Pipes, cyclones.

- High Performance Natural Rubber
- 38 Duro Shore A
- Superior resistance to abrasion
- High elasticity and tensile strength
- Outstanding cut and tear and strength
- Available in custom colours, widths and thickness



Magnum Skirting Rubber

Magnum Skirting and capping rubber is available in many dimensions depending on your requirements. Skirting rubber is essential to improve conveyor belt performance and to reduce spillage and down time. It is used to reduce belt slippage, improve tracking and extend the life of the belt, bearings and other components. Our skirting and capping is available in Rubber and Polyurethane.



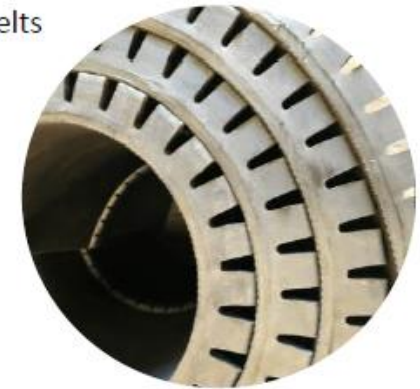
Magnum Conveyor Belts

Magnum conveyor belts have been supplied to distributors, applicators and mines sites around the globe. We can manufacture to your exact requirements including bespoke specs and dimensions. Excellent quality, Competitive pricing and reliable technical support.

- Fabric Belts
- Nylon / Nylon Carcass
- Polyester / Nylon Carcass
- PVC Belts
- Oil and Flame Resistant MOR / OR
- Heat Resistant and Fire-Retardant FR/FRAS
- Rough top
- Coal Feeder belts
- Pipe Conveyors belts
- Thermoplastic Polyurethane belts
- Steel Cord
- Rip Stop
- Chevron
- Endless and Sidewall
- Bucket Elevator
- Kevlar
- Fiber

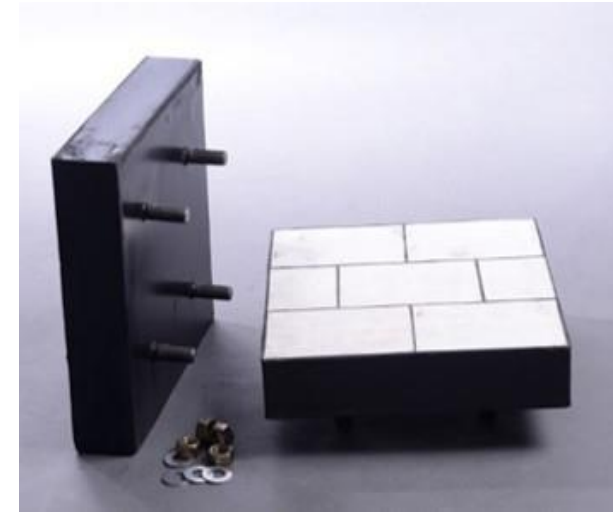


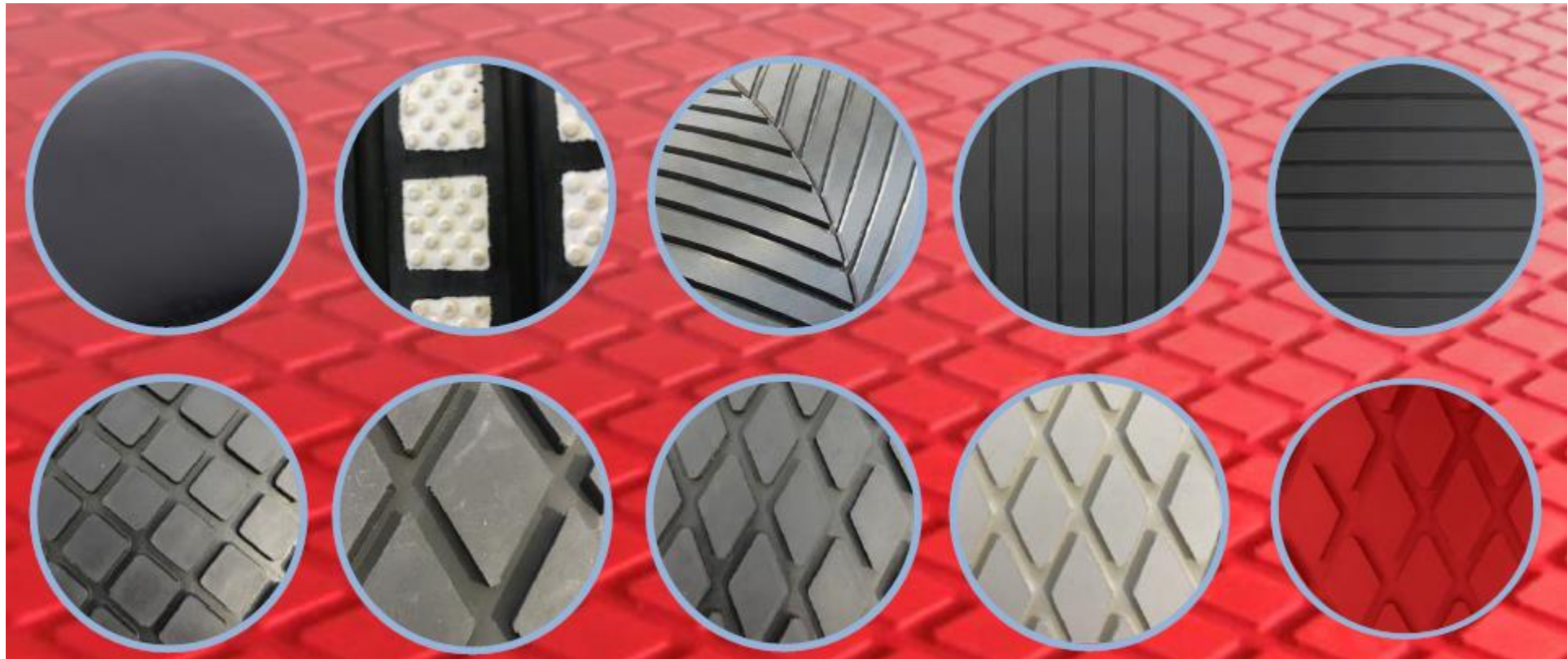
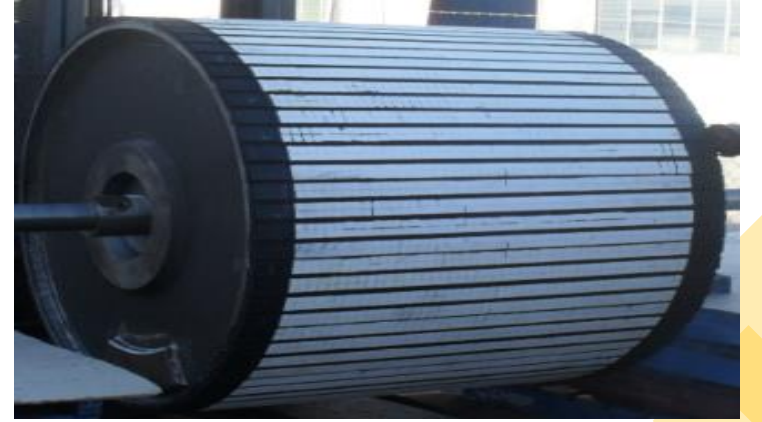
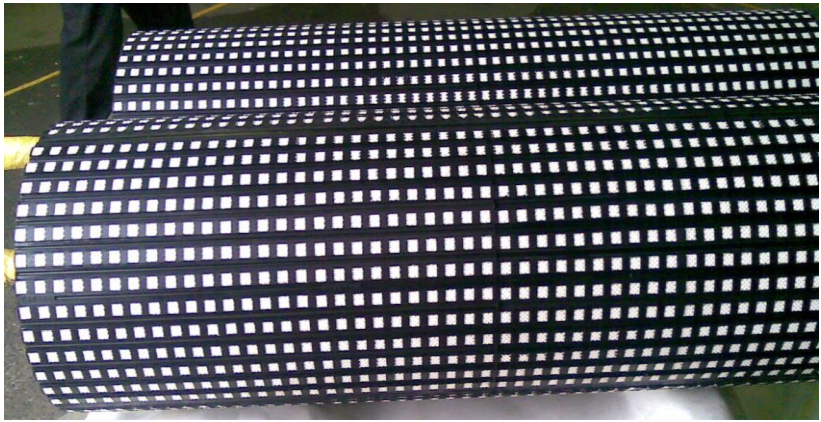
Belts



Magnum Ceramic and wear pads

Magnum Ceramic matting is available in a wide range of options and dimensions depending on your requirements. These range from Rubber backed to steel backed, and studded. Moulded ceramic rubber can also be provided with a CN backing dependent on requirements of the application.





PR Polymers is
partnering to
offer solution
to your
problems





POLYURETHANE SPECIALISTS



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