



POLTEC



LOW NOISE UHMW-PE ROLLER

Our Idler can not cut your conveyor belt

High Speed Conveyor System

Low Noise Roller

Fire Resistant & Anti Static Roller





POLTEC Ultrol
Coaltrol Indonesia

LONG LIFE & LOW NOISE UHMW-PE ROLLER

ULTROL is a registered trademark in Korea for UHMW-PE Idlers, which are manufactured by Special Manufacturer from Korea. This LOW NOISE UHMW-PE Idler was developed and specially designed rollers to the various users in material handling applications.

UHMW-PE Carrier & Impact, Return and Guide rollers are available in rough condition conveyor system.

LOW NOISE UHMW-PE Roller Technical Specification

- Body : UHMW-PE (**Molecular Weight More Than 3,000,000**)

- Housing Color : **Customized Color (Ex. Red, Blue, Black Yellow, Green, etc)**

- Housing Thickness : **More Than 22mm**

- Seal : Rubber

- Seal Cap : Polymer with high impact strength

- Bearing : **SKF, FDG**

- Specific Gravity (g/cm²) : 0.93

- Min/Max Service Temp in Air(C) : 135

- Tensile Strength Yield (Mpa) : >170

- Impact Resistance : No Break

1. Impact strength

2. Light weight and easily machined

3. Abrasion resistance

4. Self-lubrication

5. Low Noise (Less than 65db)

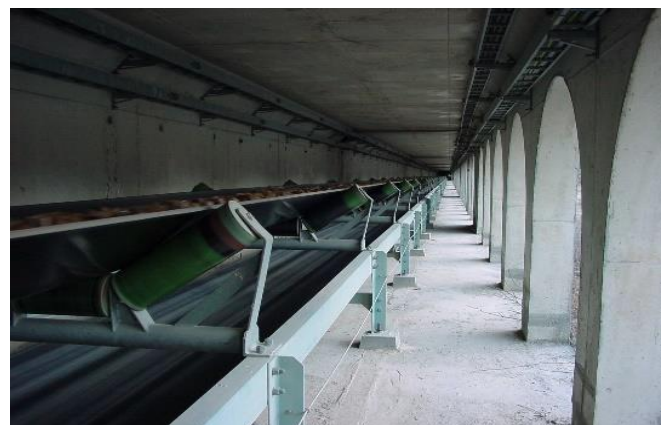
6. Non-caking and sticking

7. Sanitary

8. Anticorrosion and electrical insulation

9. TIR : Less than 0.1mm

10. Lifetime : more than 3 years



ULTROL- UHMW-PE Roller



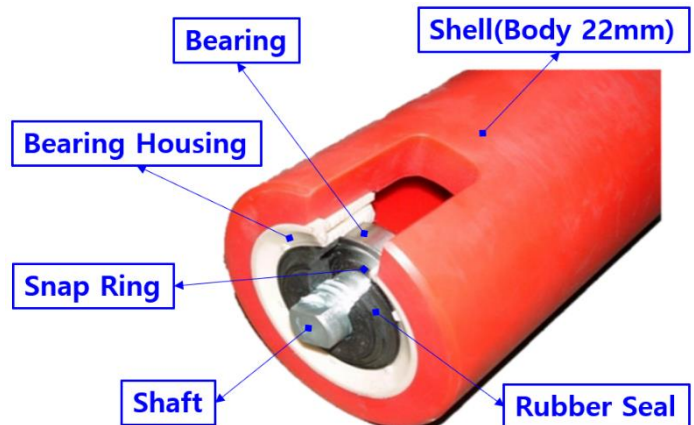
POLTEC Ultrol

Coaltrol Indonesia

Product Description:

ULTROL™ is a registered trademark in Korea for UHMWPE Idlers, which are manufactured and supplied by Special Manufacturer in Korea for special long life idler. We have developed and marketed this specially designed rollers to the various users in material handling system. Carrier & Impact, Return and Guide rollers are available in tough condition conveyor system that has the following specialties:

- UHMWPE Body – Molecular Weight more than 3,000,000
- Shell Color - Customized Color
- Shell Thickness – More than 22mm
- Seal – Rubber
- Seal Cap – Polymer with high impact strength
- Bearing – Schaeffler Korea FAG ZZ C3./ 2RS



Key Features and Benefits:

- Impact strength – it is virtually unbreakable
- Light weight – easy to handle without special equipment
- Electrical insulation – it is a good insulator
- Waterproof – it doesn't absorb water
- Chemical resistance – resists corrosive chemicals (Sulphuric Acid, Caustic Soda)
- Abrasion resistance – rated better than carbon steel for sliding abrasion applications
- Low coefficient of friction – it does not require lubrication
- Fire rating – achieved UL94 class V0

ULTROL™ UHMW-PE Roller Applications:

- Underground mining
- Scraper blades
- Hopper liners
- Liner beds
- Wear profiles
- Impact slider bars
- Chain guides

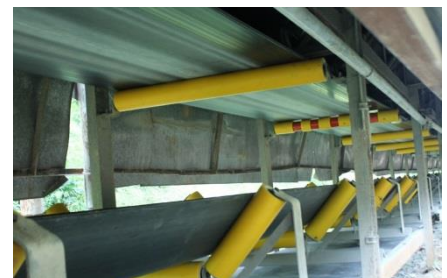
ULTROL™ UHMW-PE Roller

Physical Properties:

Average Mv	10 ⁶ g/mol	5
Density	g/cm ³	0.93
Bulk Density	g/cm ³	0.45
Average Particle Size	μm	120
Tensile Strength at Yield	kg/cm ²	>170
Elongation at Break	%	>300
Hardness(Rockwell)	Shore D	62
Impact Strength(Charpy Notched)	kgf cm/cm	No Break
Abrasion Resistance	U050=100	100
Melting Point	°C	135
Heat Deflection Temperature	°C	79

Typical Applications:

- Cement
- Chemical compound
- Salt
- Clinker
- Gypsum
- Pulp & paper
- Limestone
- Tar sands
- Phosphates
- Clay





**REPUBLIK INDONESIA
KEMENTERIAN HUKUM DAN HAK ASASI MANUSIA**

SERTIFIKAT MEREK

Menteri Hukum dan Hak Asasi Manusia atas nama Negara Republik Indonesia berdasarkan Undang-Undang Nomor 15 Tahun 2001 Tentang Merek, memberikan hak Merek kepada:

Nama dan alamat
Pemilik Merek

POLTEC Co., Ltd
Berkedudukan di:
Gwijeon-ri 533-3,
Tongjin-eup, Gimpo-si
Gyeonggi-do, Korea

Tanggal Penerimaan

16 Mei 2012

Nomor Pendaftaran

IDM000430923

Etiket Merek

Coaltrol

Perlindungan hak merek tersebut diberikan untuk jangka waktu 10 (sepuluh) tahun terhitung sejak tanggal penerimaan sampai dengan tanggal 16 Mei 2022, dan jangka waktu perlindungan itu dapat diperpanjang (Pasal 28).

Sertifikat merek ini dilampiri dengan contoh merek dan jenis barang/jasa yang tidak terpisahkan dari sertifikat ini.



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**a.n. MENTERI HUKUM DAN HAK ASASI MANUSIA
REPUBLIK INDONESIA
DIREKTUR JENDERAL KEKAYAAN INTELEKTUAL
u.b.
Direktur Merek**



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