RACLOPREMA 430

NATURAL RUBBER, PREMIUM ABRASION RESISTANT

PREMACO

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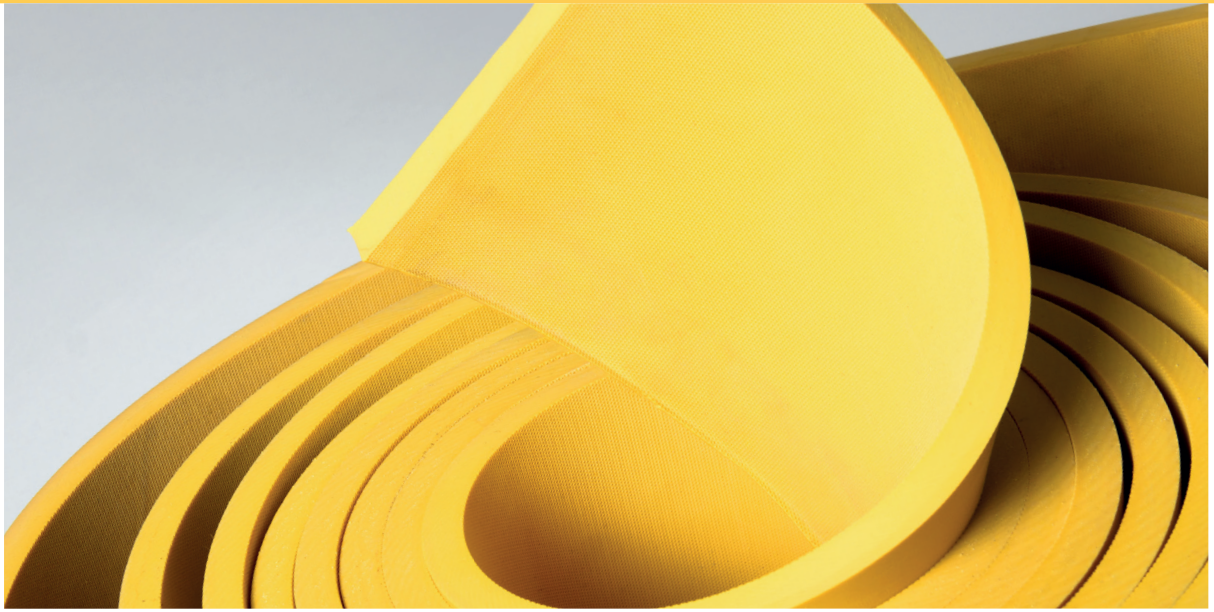

Thanks to its natural rubber base, Racloprema, offers excellent mechanical properties at every level; tensile strength, elongation at break, tear propagation resistance, abrasion resistance, etc.

It's particularly resistant to abrasive fine-grained media such as sand, sandblasting, fine media, sanding dust, etc.

In addition, it has a high flexibility, elasticity and offers a protection against corrosion and reduce the influence of noise and vibration.

APPLICATIONS

Conveyor belts and lining of containers, e.g. Funnels, gutters, pump housings, tanks, silos etc. to avoid wear due to very aggressive products such as:

- Boulders, wood and chemical products
- Fine-grained media
- Chemical products
- Medium to high density media
- Media with medium to high hardness
- Fine dry media with a max. temperature of +70°C

Can be used as a protective curtain during cleaning and disposal work:

- Quarries
- Gravel pits
- Cement and concrete industries

MECHANICAL PROPRETIES	Examination after	Value
Yellow Rubber		Racloprema 430
Density		0.95 ± 0.05 g/cm³
Hardness	ASTM D2240	35 ± 5 Shore A
Tensile strength	ISO 37	≥ 24 MPa
Elongation	ISO 37	≥ 700%
Further tear resistance		≥ 30 N/mm
Abrasion resistance	ISO 4649	≤ 60 mm³
Compression set after 22h at 70°C	ISO 815-1	≤ 30%

TEMPERATURE	
Operating temperature	-40/+80°C

BEHAVIOR AFTER AGING		
ΔHardness after 70h at 70°C	ASTM D573	≤ 5 Shore A
ΔTensile strength after 70h at 70°C	ASTM D573	≤ 15%
ΔElongation after 70h at 70°C	ASTM D573	≤ 25%

CHEMICAL RESISTANCE			
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
Good	Acceptable	Acceptable	Not recommended

DIMENSIONS — Thickness in mm

2, 3, 4, 5, 6 (± 0.4)	8, 10, 12, 15 (± 1.0)	20, 25, 30 (± 1.4)

Standard Rolls of 10'000 x 1'500mm (± 3%) Special sizes upon request