



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

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

APPLICATIONS

Provide protection for process equipment and comes as a belt covering, that:

- intent to come into contact with food
- handle dry, moist and wet food

Hoppers, chutes, operating cyclones, vibrating lines, silos, etc., linings to protect equipment against very abrasive fine grain size products wear, due to their very nature (rock, wood, metal, all fine particle size materials, chemical products, etc.), density and hardness (medium to high), forms (fine particles, bulks).

MECHANICAL PROPERTIES

	Examination after	Value
White (cream) natural rubber		Alprema
Density	53526	$0.99 \pm 0.05 \text{g/cm}^3$
Hardness	ISO 48-4	38 ± 5 Shore A
Tensile strength	ISO 37	$\geq 18 \text{ MPa}$
Elongation at break	ISO 37	$\sim 700 \%$
Rebound resilience	BS 903	$\geq 70 \%$
Abrasion resistance	ISO 4649	$5N \leq 80 \text{mm}^3$
Tear strength angle	ISO 34-1	$\sim 40 \text{ N/mm}$

TEMPERATURE

Working temperature	$-40/+75^\circ\text{C}$
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TEXTURE

One side smooth and one side with cloth impression

DIMENSIONS — Thickness in mm

3 & 5 (± 0.4) (2, 4, 6, 10mm will be gradually released in 2025/2026)

Standard Rolls of 10'000 x 1'400mm ($\pm 3\%$)

Special sizes and thickness upon request

Alprema is made from high-quality natural rubber compound meeting European regulations (EC) 2023/2006 and FDA (USA Food and Drug Administration) CFR21 177.2600. The material meets the extractive use under the FDA 21 CFR 177.