



INDUSTRIAL GASKETS

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NATURAL RUBBER – NYLON INSERTION

DESCRIPTION

Natural Rubber with Nylon Insertion is a superior grade rubber made from a blend of natural and synthetic rubber polymers reinforced with a nylon monofilament. It has excellent physical properties including good mechanical strength, with moderate abrasion resistance.

Natural Rubber Nylon Insertion is reinforced with a nylon monofilament fabric for superior tear strength and dimensional stability.

Natural Rubber Nylon Insertion has superior resilience with good low temperature flexibility and compression set.

APPLICATIONS

Natural Insertion Nylon Rubber has well all round properties including resistance to abrasion.

It has relatively low resistance to temperature and petroleum based fluids. It has excellent mechanical properties, good ozone, acid and alkali resistance, but not adequate for use with oils and solvents. Its dynamic properties are excellent. Low compression set and high resilience.

The specially designed Nylon monofilament fabric reinforcement will not allow fluid penetration and gives Natural Insertion improved tear strength and dimensional stability, making Natural Insertion suitable for gasket sealing applications.

SIZES/AVAILABILITY

Available in 10 metre rolls, metre lengths, strips, gaskets or cut to order

Standard Thickness: 1 Ply – 3mm
2 Ply – 4.5mm and 6mm
Standard Roll Size: 1200mm x 10M

PHYSICAL PROPERTIES

Polymer	NR/SBR	
Colour	Black	
Reinforcement	Nylon Monofilament	
Temperature	-25°C to +70°C	
Tensile Strength	7 MPa (min)	ASTM D412
Elongation at Break	350% (min)	ASTM D412
Hardness	65° ± 5° Shore A	ASTM D2240
Specific Gravity	1.35	ASTM D297
Abrasion	300mm ³ (max) @ 10N	ASTM D5963
Compression Set	35 %	ASTM D395 B
Tear Strength	30 N/mm (min)	ASTM D624
MSDS	Available on Request	

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