

S R490

TECHNICAL SHEETING

BEIGE NR 45

HIGH PERFORMANCE NR SHEETING



MECHANICAL & PHYSICAL PROPERTIES

MECHANICAL

Rubber Compound	NR
Rubber Color	Beige
Density	1.05 g/cm ³ ±0.05
Hardness (ISO 48-4)	45±5 Shore A
Tensile strength (ISO 37)	≥16 MPa
Elongation at break (ISO 37)	≥600 %
Tear resistance (ISO 34-1)	≥25 N/mm
Abrasion resistance (ISO 4649)	5N ≤80mm ³
Compression set (ISO 815-1)	24h @ 70 °C : ≤30%

TEMPERATURE

Working temperature	-40/+85 °C
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AGEING

Δ Hardness (ISO 188)	70h @ 70 °C : ≤5 Shore A
Δ Tensile strength (ISO 188)	70h @ 70 °C : ≤-15%
Δ Elongation at break (ISO 188)	70h @ 70 °C : ≤-20%

CHEMICAL RESISTANCE

Diluted acids and bases	Very good
Concentrated acids and bases	Good
Ozone	Medium
Oils and hydrocarbons	Non suitable

FEATURES

- Natural rubber, para quality, translucent, with excellent mechanical properties.

ADVANTAGES

- Very good mechanical properties (tensile strength, tear resistance, etc.) and at the same time, easy material to work with
- Good properties to support high mechanical strains
- Great elasticity allowing important deformations
- Resistance to fine grained particles wear projection (sand, blasting)
- Good electrical properties
- Good resistance to acids, bases and salts
- Good ratio quality/price

APPLICATIONS

- Gaskets or washers cutting and manufacturing of pieces for industrial purpose applications in contact with:
 - maximum temperature 50 °C: water, water washing, alkaline and salt solutions, acids and oxidizing non oxidizing, alkali base concentration ≤50%, non food alcohol
 - maximum temperature 20 °C: acetones.
- Cutting into skirtboard and scrappers for conveyors belts, rubber sleeves, etc.
- Mineral processing equipment linings, such as operating cyclones, hydrocyclones and sand treatment processes.

MAINTENANCE RECOMMENDATION

- Always follow manufacturer warnings and instructions when using any cleaning product.

**Asbestos
FREE**

**Halogen
FREE**

**RoHS
compliant**

**REACH
compliant**

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DIMENSIONS

Article number	Stock Situation	Thickness (mm)	Width (mm)	Length (mm)	Weight	Side 1 finish	Side 2 finish	Type of insertion	Number Of Insertions	Inner car-board tube Ø mm
5011187	STD STOCK	1	1400 ±2%	20000 ±2%	1.050	Smooth	Smooth	-	0	80 mm
SSR49000001507	STD STOCK	1.5	1400 ±2%	15000 ±2%	1,56	Smooth	Smooth	-	0	80 mm
5011189	STD STOCK	2	1400 ±2%	15000 ±2%	2,08	Smooth	Smooth	-	0	80 mm
SSR49000003001	STD STOCK	3	1400 ±2%	10000 ±2%	3.120	Smooth	Smooth	-	0	80 mm
SSR49000004002	STD STOCK	4	1400 ±2%	10000 ±2%	4,16	Smooth	Smooth	-	0	80 mm
SSR49000005001	STD STOCK	5	1400 ±2%	10000 ±2%	5,2	Smooth	Smooth	-	0	80 mm
SSR49000006001	STD STOCK	6	1400 ±2%	10000 ±2%	6.230	Smooth	Smooth	-	0	80 mm
S614900801	STD STOCK	8	1400 ±2%	5000 ±2%	8,32	Smooth	Smooth	-	0	
S614901001D	STD STOCK	10	1400 ±2%	5000 ±2%	10.300	Smooth	Smooth	-	0	
S614901201	STD STOCK	12	1400 ±2%	5000 ±2%	12,48	Smooth	Smooth	-	0	
SSR49000015006	STD STOCK	15	1400 ±2%	5000 ±2%	15,6	Smooth	Smooth	-	0	
SSR49000020002	STD STOCK	20	1400 ±2%	5000 ±2%	20,8	Smooth	Smooth	-	0	
S614902501	STD STOCK	25	1400 ±2%	5000 ±2%	26	Smooth	Smooth	-	0	

IDENTIFICATION

Labelling

Self-adhesive label indicating product name, dimensions, area in m², nominal weight, and product code to allow product traceability. (94/62/EC - LDPE4)

Wrapping

Black polyethylene film.(94/62/EC - LDPE4)

Packaging

Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.

Unless typographical error, information and figures of our technical datasheet are based on our experience and laboratory tests according to international standards. This data is intended to be used as a guideline only. Material performance depends on the conditions of use and the final application.