

# 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 <sup>3</sup> ±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 <sup>3</sup>
Compression set (ISO 815-1)	24h @ 70 °C : ≤30%

#### TEMPERATURE

Working temperature	-40/+85 °C
---------------------	------------

#### 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.
- Ricochet curtains for shooting galleries.

### MAINTENANCE RECOMMENDATION

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

**Asbestos  
FREE**

**Halogen  
FREE**

**RoHS  
compliant**

**REACH  
compliant**

**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%	1,05	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%	3,12	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%	5,19	Smooth	Smooth	-	0	80 mm
SSR49000006001	STD STOCK	6	1400 ±2%	10000 ±2%	6,23	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%	10,30	Smooth	Smooth	-	0	
S614901201	STD STOCK	12	1400 ±2%	5000 ±2%	12,48	Smooth	Smooth	-	0	
SSR49000015006	STD STOCK	15	1400 ±2%	5000 ±2%	15,60	Smooth	Smooth	-	0	
SSR49000020002	STD STOCK	20	1400 ±2%	5000 ±2%	20,88	Smooth	Smooth	-	0	
S614902501	STD STOCK	25	1400 ±2%	5000 ±2%	25,75	Smooth	Smooth	-	0	

**IDENTIFICATION**

*Labelling*

Self-adhesive label indicating product name, dimensions, area in m<sup>2</sup>, 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.*