

# S YELLOWFINE

## WEAR RESISTANT SHEETING

YELLOW NR 45

FINE GRAIN SIZE MATERIAL MEDIUM WEAR SHEETING



### MECHANICAL & PHYSICAL PROPERTIES

#### MECHANICAL

Rubber Compound	NR
Rubber Color	Yellow - R491
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
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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

- Wear resistant natural rubber, yellow.

### ADVANTAGES

- Excellent mechanical properties: tensile strength, elongation at break, tear resistance, abrasion, etc.
- Excellent resistance to fine grain size products projection and fretting wear: sand, shot blasting, fine particles, abrasive dust, etc.
- Corrosion protection
- Noise and vibration propagation reduction
- Possibility to be produced with bonding layer for cold vulcanizing

### APPLICATIONS

- 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, etc.), with dry conditions and maximum temperature +70 °C.
- Manufacturing of rubber skirts.
- Hanging panels fostering materials cleaning and removal.
- Areas of activity: sand and gravel quarries, aggregate and cement industries, concrete plants, etc.

### 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
SSR49100003001	STD NOT STOCK	3	1400 ±2%	10000 ±2%	3,15	Smooth	Smooth	-	0	80 mm
SSR49100004001	STD NOT STOCK	4	1400 ±2%	10000 ±2%	4,2	Smooth	Smooth	-	0	80 mm
SMR49100005001	STD NOT STOCK	5	1500 ±2%	10000 ±2%	5.250	Matt	Matt	-	0	80 mm
5029362	STD NOT STOCK	6	1500 ±2%	10000 ±2%	6,30	Matt	Matt	-	0	80 mm
5029363	STD STOCK	8	1500 ±2%	10000 ±2%	8,40	Matt	Matt	-	0	
5029169	STD STOCK	10	1500 ±2%	10000 ±2%	10,50	Matt	Matt	-	0	
SKR49100010003	STD NOT STOCK	10	1500 ±2%	10000 ±2%	11,11	Bonding	Matt	-	0	200 mm
SMR49100012001	STD NOT STOCK	12	1500 ±2%	6000 ±2%	12,6	Matt	Matt	-	0	
5029170	STD NOT STOCK	15	1500 ±2%	6000 ±2%	15,75	Matt	Matt	-	0	
SKR49100015004	STD NOT STOCK	15	1500 ±2%	6000 ±2%	15,75	Bonding	Matt	-	0	200 mm
5029171	STD NOT STOCK	20	1500 ±2%	6000 ±2%	21,00	Matt	Matt	-	0	
SKR49100020004	STD NOT STOCK	20	1500 ±2%	6000 ±2%	21,97	Bonding	Matt	-	0	200 mm

## 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. Bonding layer internal side protected by a white polypropylene film, easily removable by hand.

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.