

S WHITEFINE

FOOD & DRINK SHEETING

WHITE NR 40

WHITE FOOD QUALITY MEDIUM WEAR SHEETING



MECHANICAL & PHYSICAL PROPERTIES

MECHANICAL

<i>Rubber Compound</i>	NR
<i>Rubber Color</i>	White - R320
<i>Density</i>	1.00 g/cm ³ ±0.05
<i>Hardness (ISO 48-4)</i>	40±5 Shore A
<i>Tensile strength (ISO 37)</i>	≥20 MPa
<i>Elongation at break (ISO 37)</i>	≥600 %
<i>Tear resistance (ISO 34-1)</i>	≥32 N/mm
<i>Abrasion resistance (ISO 4649)</i>	5N ≤80mm3
<i>Compression set (ISO 815-1)</i>	22h @ 70 °C : ≤25%

TEMPERATURE

<i>Working temperature</i>	-40/+85 °C
----------------------------	------------

AGEING

<i>Δ Hardness (ISO 188)</i>	168h @ 70 °C : ≤5 Shore A
<i>Δ Tensile strength (ISO 188)</i>	168h @ 70 °C : ≤-15%
<i>Δ Elongation at break (ISO 188)</i>	168h @ 70 °C : ≤ -20%

CHEMICAL RESISTANCE

<i>Diluted acids and bases</i>	Good
<i>Concentrated acids and bases</i>	Medium
<i>Ozone</i>	Medium
<i>Oils and hydrocarbons</i>	Non suitable

FEATURES

- Wear resistant natural rubber, white, food grade, meeting regulation (EC) 2023/2006 (European legislation) and FDA classification (American legislation).

REGULATIONS

- Meeting european regulations (EC) 2023/2006
- The material is in compliance with FDA 21 CFR Part. 177. Indirect Food Additives: Polymers. Sec 177.2600 Rubber articles intended for repeated use for contact with aqueous food
- Quality certificate available under request

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

MAINTENANCE RECOMMENDATION

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

**Asbestos
FREE**

**ADI
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
SMR32000F02004	STD NOT STOCK	2	1400 ±2%	15000 ±2%	2,01	Matt	Matt	-	0	80 mm
SMR32000F03002	STD STOCK	3	1400 ±2%	10000 ±2%	3,01	Matt	Matt	-	0	80 mm
SMR32000F04002	STD NOT STOCK	4	1400 ±2%	10000 ±2%	4,01	Matt	Matt	-	0	80 mm
SMR32000F05003	STD STOCK	5	1500 ±2%	6000 ±2%	5,01	Matt	Matt	-	0	80 mm
SMR32000F06003	STD NOT STOCK	6	1500 ±2%	6000 ±2%	6,02	Matt	Matt	-	0	80 mm
SMR32000F08003	STD STOCK	8	1500 ±2%	6000 ±2%	8,02	Matt	Matt	-	0	
SMR32000F10001	STD NOT STOCK	10	1500 ±2%	6000 ±2%	10,03	Matt	Matt	-	0	
SMR32000F12001	STD NOT STOCK	12	1500 ±2%	6000 ±2%	12,03	Matt	Matt	-	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

White 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.