

S REDFINE+

WEAR RESISTANT SHEETING

RED NR 35

FINE GRAIN SIZE MATERIAL HIGH WEAR SHEETING



MECHANICAL & PHYSICAL PROPERTIES

MECHANICAL

| | |
|--------------------------------|------------------------------|
| Rubber Compound | NR |
| Rubber Color | Red - R397 |
| Density | 0.95 g/cm ³ ±0.05 |
| Hardness (ISO 48-4) | 35±5 Shore A |
| Tensile strength (ISO 37) | ≥25 MPa |
| Elongation at break (ISO 37) | ≥700 % |
| Tear resistance (ISO 34-1) | ≥30 N/mm |
| Abrasion resistance (ISO 4649) | 5N ≤60mm ³ |
| Compression set (ISO 815-1) | 22h @ 70 °C : ≤30% |

TEMPERATURE

| | |
|---------------------|------------|
| Working temperature | -40/+80 °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 | Good |
| Concentrated acids and bases | Medium |
| Ozone | Medium |
| Oils and hydrocarbons | Non suitable |

FEATURES

- Wear resistant natural rubber, red.

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.
- Great flexibility and resilience
- Corrosion protection
- Noise and vibration propagation reduction
- Possibility to be produced with bonding layer for cold vulcanizing or with steel backing for mechanical fixing

APPLICATIONS

- Hoppers, chutes, operating cyclones, hydrocyclones, vibrating lines, extraction pump bodies, tanks, 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.
- 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 |
|----------------|-----------------|----------------|------------|-------------|--------|---------------|---------------|-------------------|----------------------|---------------------------|
| SSR39700003002 | STD STOCK | 3 | 1400 ±2% | 10000 ±2% | 2,85 | Smooth | Smooth | - | 0 | 80 mm |
| SSR39700004002 | STD STOCK | 4 | 1400 ±2% | 10000 ±2% | 3,8 | Smooth | Smooth | - | 0 | 80 mm |
| SKR39700005007 | STD NOT STOCK | 5 | 1500 ±2% | 10000 ±2% | 4,75 | Bonding | Matt | - | 0 | 80 mm |
| SMR39700005002 | STD STOCK | 5 | 1500 ±2% | 10000 ±2% | 4,75 | Matt | Matt | - | 0 | 80 mm |
| 5011180 | STD STOCK | 6 | 1500 ±2% | 10000 ±2% | 5,7 | Matt | Matt | - | 0 | 80 mm |
| 5012189 | STD NOT STOCK | 6 | 1500 ±2% | 10000 ±2% | 5,7 | Bonding | Matt | - | 0 | 200 mm |
| SKR39700008006 | STD NOT STOCK | 8 | 1500 ±2% | 10000 ±2% | 7,6 | Bonding | Matt | - | 0 | 200 mm |
| SMR39700008004 | STD STOCK | 8 | 1500 ±2% | 10000 ±2% | 7,6 | Matt | Matt | - | 0 | |
| SKR39700010003 | STD NOT STOCK | 10 | 1500 ±2% | 10000 ±2% | 9,5 | Bonding | Matt | - | 0 | 200 mm |
| SMR39700010002 | STD STOCK | 10 | 1500 ±2% | 10000 ±2% | 9,5 | Matt | Matt | - | 0 | |
| SKR39700012001 | STD NOT STOCK | 12 | 1500 ±2% | 6000 ±2% | 11,4 | Bonding | Matt | - | 0 | 200 mm |
| SMR39700012001 | STD NOT STOCK | 12 | 1500 ±2% | 6000 ±2% | 11,4 | Matt | Matt | - | 0 | |
| SKR39700015002 | STD NOT STOCK | 15 | 1500 ±2% | 6000 ±2% | 14,25 | Bonding | Matt | - | 0 | 200 mm |
| SMR39700015001 | STD NOT STOCK | 15 | 1500 ±2% | 6000 ±2% | 14,25 | Matt | Matt | - | 0 | |
| SMR39700020001 | STD NOT STOCK | 20 | 1500 ±2% | 6000 ±2% | 19 | Matt | Matt | - | 0 | |
| SKR39700025001 | STD NOT STOCK | 25 | 1500 ±2% | 6000 ±2% | 23,75 | Bonding | Matt | - | 0 | 200 mm |
| SMR39700025001 | STD NOT STOCK | 25 | 1500 ±2% | 6000 ±2% | 23,75 | 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

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.