# BLACKROCK NR

## MEDIUM WEAR SHEETING ROUND GRAIN MATERIAL

### FEATURES
Natural rubber, black, 60 Shore A, with good abrasion resistance.

### APPLICATIONS
Hoppers, chutes, etc., linings to protect equipment subject to medium wear due to working conditions (for example, moisture), composition (for example, high percentage of fine grain size products), shape or nature of the products.

Areas of activity: sand and gravel quarries, aggregate and cement industries, foundries, etc.

### ADVANTAGES
- Good shock impact, tear, and abrasion resistance
- Good heat and ageing resistance
- Noise and vibration propagation reduction
- Protection against corrosion
- Good ratio quality/price
- Possibility to be produced with bonding layer for cold vulcanizing or with steel backing for mechanical fixing

### BENEFITS
- Reliability
- Economy
- Safety

### MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

| Measured characteristics | Standard | Value | |
|---|---|---|---|
| **MECHANICAL** | | | |
| Rubber compound - black | | NR R698 | |
| Density | | 1.14 ±0.05 | g/cm³ |
| Hardness | ASTM D2240 | 60 ±5 | Shore A |
| Tensile strength | ISO 37 | ≥16 | MPa |
| Elongation at break | ISO 37 | ≥450 | % |
| Tear resistance | ISO 34-1 | ≥40 | N/mm |
| Abrasion resistance (10N) | ISO 4649 | ≤120 | mm³ |
| Compression set after 22h at 70°C | ISO 815-1 | ≤35 | % |
| **TEMPERATURE** | | | |
| Working temperature | | -40/+85 | °C |
| **AGEING** | | | |
| Δ Hardness after 70h at 70°C | ASTM D573 | ≤5 | Shore A |
| Δ Tensile strength after 70h at 70°C | ASTM D573 | ±10 | % |
| Δ Elongation at break after 70h at 70°C | ASTM D573 | ≤-20 | % |

**CHEMICAL RESISTANCE**

| Diluted acids and bases | Concentrated acids and bases | Ozone | Oils and hydrocarbons |
|---|---|---|---|
| Good | Medium | Medium | Non suitable |

**IDENTIFICATION**

| | |
|---|---|
| Branding | Without. |
| Packaging | Thickness ≤6mm rolled on cardboard tube Ø 80mm.<br>Thickness >6mm in roll.<br>Bonding layer internal side protected by a white polypropylene film, easily removable by hand. |
| Wrapping | Black polyethylene film. |
| Labelling | Self-adhesive label indicating product name, dimensions, area in m², nominal weight, and product code to allow product traceability. |

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.

| NR | MEDIUM WEAR SHEETING | BLACKROCK |  | | |
|---|---|---|---|---|---|
| THICKNESS mm | WIDTH mm | LENGTH m | WEIGHT kg/m² | SIDES FINISH | OPTION (BL = bonding layer) |
| 1 ±0.2 | 1400 ± 2 % | 20 ± 2 % | 1.2 | 2 SMOOTH SIDES | |
| 1.5 ±0.25 | 1400 ± 2 % | 15 ± 2 % | 1.79 | 2 SMOOTH SIDES | |
| 2 ±0.3 | 1400 ± 2 % | 15 ± 2 % | 2.4 | 2 SMOOTH SIDES | |
| 3 ±0.3 | 1400 ± 2 % | 10 ± 2 % | 3.59 | 2 SMOOTH SIDES | |
| 4 ±0.4 | 1500 ± 2 % | 10 ± 2 % | 4.78 | 2 SIDES MATT | |
| 5 ±0.4 | 1500 ± 2 % | 10 ± 2 % | 5.98 | 2 SIDES MATT | |
| 6 ±0.5 | 1500 ± 2 % | 10 ± 2 % | 7.36 | 1 SIDE MATT/1 SIDE BONDING LAYER | BL |
| 6 ±0.5 | 1500 ± 2 % | 10 ± 2 % | 7.18 | 2 SIDES MATT | |
| 8 ±0.7 | 1500 ± 2 % | 10 ± 2 % | 9.75 | 1 SIDE MATT/1 SIDE BONDING LAYER | BL |
| 8 ±0.7 | 1500 ± 2 % | 10 ± 2 % | 9.57 | 2 SIDES MATT | |
| 10 ±1.0 | 1500 ± 2 % | 10 ± 2 % | 12.14 | 1 SIDE MATT/1 SIDE BONDING LAYER | BL |
| 10 ±1.0 | 1500 ± 2 % | 10 ± 2 % | 11.96 | 2 SIDES MATT | |
| 12 ±1.0 | 1500 ± 2 % | 6 ± 2 % | 14.53 | 1 SIDE MATT/1 SIDE BONDING LAYER | BL |
| 12 ±1.0 | 1500 ± 2 % | 10 ± 2 % | 14.35 | 2 SIDES MATT | |
| 15 ±1.0 | 1500 ± 2 % | 6 ± 2 % | 18.12 | 1 SIDE MATT/1 SIDE BONDING LAYER | BL |
| 15 ±1.0 | 1500 ± 2 % | 10 ± 2 % | 17.94 | 2 SIDES MATT | |
| 20 ±1.4 | 1500 ± 2 % | 6 ± 2 % | 23.98 | 1 SIDE MATT/1 SIDE BONDING LAYER | BL |
| 20 ±1.4 | 1500 ± 2 % | 10 ± 2 % | 24.04 | 2 SIDES MATT | |
| 25 ±1.75 | 1500 ± 2 % | 6 ± 2 % | 30.08 | 1 SIDE MATT/1 SIDE BONDING LAYER | BL |
| 25 ±1.75 | 1500 ± 2 % | 6 ± 2 % | 30.14 | 2 SIDES MATT | |

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