



# ARMURITE NR



## HIGH WEAR SHEETING CRUSHED MATERIAL

### FEATURES

Very high mechanical properties with an excellent tear resistance.

### APPLICATIONS

Hoppers, chutes, vibrating lines, truck boxes, etc., linings to protect equipment, especially at loading and unloading points, against very abrasive products, due to their very nature (very abrasive rocks, wood, chemical products, etc.), density and hardness (medium to high), shapes (salient, sharp-edged), large grain size, with dry or wet conditions and maximum temperature +70 °C.

Areas of activity: sand and gravel quarries, steel industry, foundries, metal industry, aggregate and cement industries, concrete plants, sawmills.

### ADVANTAGES

- Excellent shock impact and cut resistance against large grain size products: blocks, masses, etc.
- Protection against corrosion
- Noise and vibration propagation reduction
- Possibility to be produced with bonding layer for cold vulcanizing or with steel backing for mechanical fixing

### BENEFITS

- Performance
- Economy: reduce downtime and maintenance costs
- Long service life: lower hourly costs
- Reliability
- Safety

## MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
MECHANICAL				
Rubber compound - black			NR	RF20
	Density		1.12 ±0.05	g/cm³
	Hardness	ASTM D2240	65 ±5	Shore A
	Tensile strength	ISO 37	≥25	MPa
	Elongation at break	ISO 37	≥450	%
	Tear resistance	ISO 34-1	≥70	N/mm
	Abrasion resistance (10N)	ISO 4649	≤100	mm³
	Compression set after 22h at 70 °C	ISO 815-1	≤20	%
TEMPERATURE				
	Working temperature		-40/+70	°C

### AGEING

Δ Tensile strength after 168h at 70 °C	ASTM D573	≤-15	%
Δ Elongation at break after 168h at 70 °C	ASTM D573	≤-20	%
Ozone resistance, 50pphm, 4h, 30 °C, 20%	No crack	ISO 1431-1 method A	


### CHEMICAL RESISTANCE

Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
Very good	Good	Good	Non suitable

### IDENTIFICATION

Branding	ARMURITE.
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.
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	HIGH WEAR SHEETING	ARMURITE			
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m <sup>2</sup>	SIDES FINISH	OPTION (BL = bonding layer)
6±0.5	1500±2 %	10±2 %	6.75	1 SIDE MATT/1 SIDE CLOTH FINISH	
8±0.7	1500±2 %	10±2 %	9	1 SIDE MATT/1 SIDE CLOTH FINISH	
10±1.0	1500±2 %	10±2 %	11.25	1 SIDE MATT/1 SIDE CLOTH FINISH	
10±1.0	1500±2 %	10±2 %	11.25	1 SIDE MATT/1 SIDE BONDING LAYER	BL
15±1.0	1500±2 %	6±2 %	16.88	1 SIDE MATT/1 SIDE CLOTH FINISH	
15±1.0	1500±2 %	6±2 %	16.88	1 SIDE MATT/1 SIDE BONDING LAYER	BL
20±1.4	1500±2 %	6±2 %	22.5	1 SIDE MATT/1 SIDE CLOTH FINISH	

