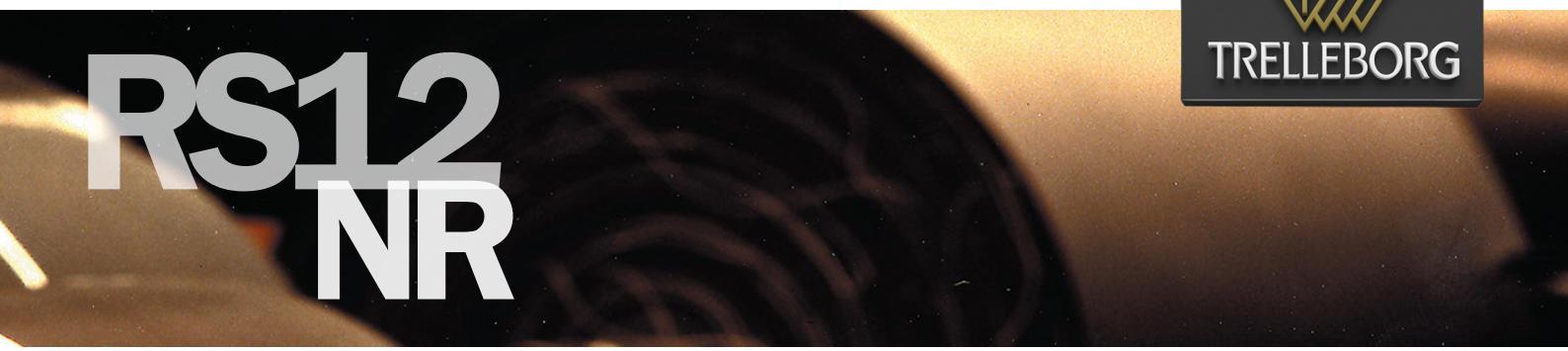

RS12 NR

20/11/2015

NR SHEETING: HIGH PERFORMANCE

FEATURES

Natural rubber, para quality, translucent, with excellent mechanical properties.

ADVANTAGES

- Very good mechanical properties (tensile strength, tear resistance,etc.) and at the same time, easy material to work with
- Good properties to support high mechanical strains
- Great elasticity allowing important deformations
- Resistance to fine grained particles wear projection (sand, blasting)
- Good electrical properties
- Good resistance to acids, bases and salts
- Good ratio quality/price

BENEFITS

- Functionality
- Comfort
- Service life
- Economy

APPLICATIONS

Gaskets or washers cutting and manufacturing of pieces for general purpose applications in contact with:

- maximum temperature 50°C: water, water washing, alkaline and salt solutions, acids and oxidizing non oxidizing, alkali base concentration ≤50%, non food alcohol
- maximum temperature 20°C: acetones

Cutting into skirtboard and scrappers for conveyors belts, rubber sleeves, etc.

Mineral processing equipment linings, such as operating cyclones, hydrocyclones and sand treatment processes.

www.trelleborg.com/elastomerlaminates

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics	Standard	Value	
MECHANICAL			
Rubber compound - beige		NR	
Density		1.0 ±0.05	g/cm³
Hardness	ASTM D2240	40 ±5	Shore A
Tensile strength	ISO 37	≥18	MPa
Elongation at break	ISO 37	≥600	%
Tear resistance	ISO 34-1	≥25	N/mm
Abrasion resistance (5N)	ISO 4649	≤120	mm³
Compression set after 24h at 70°C	ISO 815-1	≤30	%
TEMPERATURE			
Working temperature		-50/+80	°C
AGEING			
Δ Hardness after 168h at 70°C	ASTM D573	≤7	Shore A
Δ Tensile strength after 168h at 70°C	ASTM D573	≤-5	%
Δ Elongation at break after 168h 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**

DIMENSIONS

Thickness (mm)		*Width (mm)*		*Length (m)*		*Weight (kg/m²)*	*Sides finish*
1	±0.3	1400	±2%	20	±2%	1.05	2 sides matt
1.5	±0.3	1400	±2%	15	±2%	1.58	2 sides matt
2	±0.3	1400	±2%	15	±2%	2.1	2 sides matt
3	±0.3	1400	±2%	10	±2%	3.15	2 sides matt
4	±0.4	1400	±2%	10	±2%	4.2	2 smooth sides
5	±0.4	1400	±2%	10	±2%	5.25	2 smooth sides
6	±0.5	1400	±2%	10	±2%	6.3	2 smooth sides
8	±0.7	1400	±2%	5	±2%	8.4	2 smooth sides
10	±1.0	1400	±2%	5	±2%	10.5	2 smooth sides
12	±1.0	1400	±2%	5	±2%	12.6	2 smooth sides
15	±1.0	1400	±2%	5	±2%	15.57	2 smooth sides
20	±1.4	1400	±2%	5	±2%	21.0	2 smooth sides
25	±1.75	1400	±2%	5	±2%	26.25	2 smooth sides

IDENTIFICATION

Branding	Without.
Packaging	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.
Wrapping	Black polyethylene film.
Labelling	Self-adhesive label indicating product name, dimensions, area in m², nominal weight, and product code to allow product traceability.