



TECHNICAL DATA SHEET

Compound :

NR

1,4 Cis-Polisoprene (92% minimo)

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

Physical-mechanical properties	Unit of measurement	Requested
Hardness	Shore A	30 ÷ 95
Density	g/cm ³	0,96 ÷ 1,55
Minimum temperature	° C	- 40 (- 50) **
Maximum temperature	° C	70 ÷ 90 **

Physical-mechanical characteristics	<p><i>Excellent mechanical properties (tensile strenght, elongation at break, tear resistance) even without the use of reinforcing fillers</i></p> <p><i>Resistance to permanent deformation under compression and tension from quite good to very good **</i></p> <p><i>Excellent abrasion resistance</i></p> <p><i>Rebound resistance from very good to excellent **</i></p>
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Other properties	<p><i>Poor resistance to UV radiation</i></p> <p><i>Very good dielectric properties</i></p> <p><i>Quite good air and gas impermeability</i></p> <p><i>Any flame resistance</i></p> <p><i>Good dyeing</i></p>
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Chemical compatibility	<p><i>Excellent in contact with:</i></p> <ul style="list-style-type: none"> - Water and saline solutions - Alcohols and glycols
	<p><i>Satisfactory in contact with:</i></p> <ul style="list-style-type: none"> - Water up to 70°C - Diluted acids and alkalis
	<p><i>Satisfactory enough in contact with:</i></p> <ul style="list-style-type: none"> - Acetone
	<p><i>Insufficient in contact with:</i></p> <ul style="list-style-type: none"> - Oils and mineral, animal, vegetable greases (except castor oil) - Aliphatic hydrocarbons and fuels - Aromatic and chlorinated hydrocarbons - Strong concentrated mineral acids - Atmospheric agents and ozone (except with formulations containing protective agents)

*depending from the types

** with a specific optimal formulation