



TECHNICAL DATA SHEET

Compound :

SBR

**Styrene / butadiene (styrene content types in general use:
22.5 ÷ 24.5%)**

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

Physical-mechanical properties	Unit of measurement	Requested
Hardness	Shore A	40 ÷ 95
Density	g/cm ³	1,10 ÷ 1,60
Minimum temperature	° C	- 35
Maximum temperature	° C	80 ÷ 100 **

Physical-mechanical characteristics	<p>Excellent mechanical properties</p> <p>Excellent resistance to permanent deformation **</p> <p>Excellent abrasion resistance</p> <p>Good rebound elasticity **</p>
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Other properties	<p>Poor resistance to UV radiation</p> <p>Dielectric properties from good to very good *</p> <p>Quite good air and gas impermeability</p> <p>Any flame resistance</p> <p>Poor dielectric properties</p>
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Chemical compatibility	<p>Excellent in contact with:</p> <ul style="list-style-type: none"> - Water up to 80 ° C ** and saline solutions (with the exception of acetic acid salts)
	<p>Satisfactory in contact with:</p> <ul style="list-style-type: none"> - Diluted acids and alkalis - Different types of freon - Alcohols - Glycols and brake fluids derived from them
	<p>Satisfactory enough in contact with:</p> <ul style="list-style-type: none"> - Acetone - Steam up to 110 ° C
	<p>Insufficient in contact with:</p> <ul style="list-style-type: none"> - Oils and mineral, animal and vegetable greases (except castor oil) - Aliphatic and aromatic hydrocarbons, chlorinated - Fuels - Strong concentrated mineral acids - Atmospheric agents and ozone (except with formulations containing protective agents)

* depending from the types

** with a specific optimal formulation