



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><i>Excellent mechanical properties</i></p> <p><i>Excellent resistance to permanent deformation **</i></p> <p><i>Excellent abrasion resistance</i></p> <p><i>Good rebound elasticity **</i></p>
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Other properties	<p><i>Poor resistance to UV radiation</i></p> <p><i>Dielectric properties from good to very good *</i></p> <p><i>Quite good air and gas impermeability</i></p> <p><i>Any flame resistance</i></p> <p><i>Poor dielectric properties</i></p>
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Chemical compatibility	<p><i>Excellent in contact with:</i></p> <ul style="list-style-type: none"> - Water up to 80 ° C ** and saline solutions (with the exception of acetic acid salts)
	<p><i>Satisfactory in contact with:</i></p> <ul style="list-style-type: none"> - Diluted acids and alkalis - Different types of freon - Alcohols - Glycols and brake fluids derived from them
	<p><i>Satisfactory enough in contact with:</i></p> <ul style="list-style-type: none"> - Acetone - Steam up to 110 ° C
	<p><i>Insufficient in contact with:</i></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