



# TECHNICAL DATA SHEET

Compound :

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Polymer of 2-chlorine-1,3-butadiene  
 Copolymer 2-chlorine-1,3-butadiene/2,3-dichloro-1,3-butadiene  
 Copolymer 2-chlorine-1,3-butadiene/sulphur  
 Terpolymer 2-chlorine-1,3-butadiene/sulphur/2,3-dichloro-1,3-butadiene

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

Physical-mechanical properties	Unit of measurement	Requested
Hardness	Shore A	50 ÷ 80
Density	g/cm <sup>3</sup>	1,25 ÷ 1,60
Minimum temperature	° C	- 20 ÷ - 30 * (- 40) **
Maximum temperature	° C	85 ÷ 95 * (115) **

<b>Physical-mechanical characteristics</b>	<p><i>Mechanical properties from good to excellent *</i></p> <p><i>Resistance to permanent deformation from fairly good to excellent *</i></p> <p><i>Excellent abrasion-resistance</i></p> <p><i>Rebound elasticity from very good to excellent *</i></p>
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<b>Other properties</b>	<p><i>Good air and gas impermeability</i></p> <p><i>Poor dyeing</i></p> <p><i>Excellent UV radiation resistance</i></p> <p><i>Excellent flame resistance, possible self-extinguishability **</i></p> <p><i>Quite good dielectric properties</i></p>
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<b>Chemical compatibility</b>	<p><i>Satisfactory in contact with:</i></p> <ul style="list-style-type: none"> <li>- Different oils and animal and vegetable greases (except castor oil)</li> <li>- Mineral oils and high grade of aniline</li> <li>- Solutions of not-oxidative acids</li> <li>- Basic solution at middle-high concentration</li> <li>- Saline solutions **</li> <li>- Atmospheric agents</li> <li>- Different kinds of Freon</li> <li>- Hydraulic fluids on the basis of silicic esters</li> </ul>
	<p><i>Satisfactory enough in contact with:</i></p> <ul style="list-style-type: none"> <li>- Mineral oils at middle-high grade of aniline</li> <li>- Aliphatic hydrocarbons</li> <li>- Ozone</li> <li>- Water up to 100°C</li> </ul>
	<p><i>Insufficient in contact with:</i></p> <ul style="list-style-type: none"> <li>- Mineral oils at low grade of aniline</li> <li>- Sintetic lubricants on the basis of diesters</li> <li>- Mineral acids at middle-high concentration</li> <li>- Aromatic and chloridated hydrocarbons</li> <li>- Hydraulic fluids based on phosphoric esters</li> <li>- Phenol</li> </ul>

\* depending from the types

\*\* with a specific optimal formulation