



# TECHNICAL DATA SHEET

Compound :

EPDM

Terpolymer EP o EPDM

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

Physical-mechanical properties	Unit of measurement	Requested
Hardness	Shore A	20 ÷ 85
Density	g/cm <sup>3</sup>	1,02 ÷ 1,4
Minimum temperature	° C	- 25 ÷ - 35 * (- 45) **
Maximum temperature	° C	130 ÷ 150 **

<b>Physical-mechanical characteristics</b>	<p><i>From good to excellent mechanical properties *</i></p> <p><i>Resistance to permanent deformation from quite good to excellent * **</i></p> <p><i>Abrasion resistance from quite good to good</i></p>
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<b>Other properties</b>	<p><i>Excellent dyeing</i></p> <p><i>Excellent UV radiation resistance</i></p> <p><i>Any flame resistance</i></p> <p><i>Excellent dielectric properties **</i></p>
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<b>Chemical compatibility</b>	<p><i>Excellent in contact with:</i></p> <p><b>Ozone and atmospheric agents</b></p> <p><b>- Water and steam up to 130°C (150°C) **, saline solutions, strong mineral hydroxides and derivated solutions</b></p> <p><b>- Glycol and derivated brake fluids</b></p> <p><b>- Alcohols, ketones and other oxygenated solvents</b></p>
	<p><i>Satisfactory in contact with:</i></p> <p><b>- Oils and mineral and vegetable greases</b></p> <p><b>- Strong mineral acids and derivated solutions</b></p> <p><b>- Hydraulic fluids on the basis of phosphoric esters</b></p>
	<p><i>Insufficient in contact with:</i></p> <p><b>- Oils and minderal greases</b></p> <p><b>- Aliphatic hydrocarbons, aromatics and chloridated</b></p> <p><b>- Hydraulic fluids on the basis of silicic esters</b></p> <p><b>- Not polar liquids</b></p>

\* depending from the t ypes

\*\* with a specific omptimal formulation