



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 ³	1,02 ÷ 1,4
Minimum temperature	° C	- 25 ÷ - 35 * (- 45) **
Maximum temperature	° C	130 ÷ 150 **

Physical-mechanical characteristics	<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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Other properties	<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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Chemical compatibility	<p><i>Excellent in contact with:</i></p> <p><i>Ozone and atmospheric agents</i></p> <p><i>- Water and steam up to 130°C (150°C) **, saline solutions, strong mineral hydroxides and derivated solutions</i></p> <p><i>- Glycol and derivated brake fluids</i></p> <p><i>- Alcohols, ketones and other oxygenated solvents</i></p>
	<p><i>Satisfactory in contact with:</i></p> <p><i>- Oils and mineral and vegetable greases</i></p> <p><i>- Strong mineral acids and derivated solutions</i></p> <p><i>- Hydraulic fluids on the basis of phosphoric esters</i></p>
	<p><i>Insufficient in contact with:</i></p> <p><i>- Oils and mineral greases</i></p> <p><i>- Aliphatic hydrocarbons, aromatics and chloridated</i></p> <p><i>- Hydraulic fluids on the basis of silicic esters</i></p> <p><i>- Not polar liquids</i></p>

* depending from the types

** with a specific optimal formulation