



TECHNICAL DATA SHEET

Compound :

ECO

Copolymer and terpolymer epicolidrina

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

Physical-mechanical properties	Unit of measurement	Requested
Hardness	Shore A	40 ÷ 90
Density	g/cm ³	1,30 ÷ 1,55
Minimum temperature	° C	- 40 ÷ - 50 **
Maximum temperature	° C	120 ÷ 135 **

Physical-mechanical characteristics	<p><i>Good mechanical properties</i></p> <p><i>Resistance to permanent deformation from good to very high * **</i></p> <p><i>Quite good abrasion resistance</i></p> <p><i>Rebound elasticity from good to excellent **</i></p>
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Other properties	<p><i>Excellent air and gas impermeability</i></p> <p><i>Excellent UV radiation resistance</i></p> <p><i>Reduced combustion tendency</i></p> <p><i>Very low dielectric properties</i></p> <p><i>High tendency * to corrosion of the metal parts in contact</i></p>
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Chemical compatibility	<p><i>Excellent in contact with:</i></p> <ul style="list-style-type: none"> - Oils and mineral greases, vegetable, animal - Aliphatic Hydrocarbons and fuels - Glycols - Ozone and atmospheric agents **
	<p><i>Satisfactory in contact with:</i></p> <ul style="list-style-type: none"> - Sea water, saline solutions - Dilute sulfuric acid not more than 70° C - Alcohols (except the benzyl alcohol) - Different types of Freon
	<p><i>Satisfactory enough in contact with:</i></p> <ul style="list-style-type: none"> - Hydraulic fluids based on silicic esters - Synthetic lubricants on the basis of diesters
	<p><i>Insufficient in contact with:</i></p> <ul style="list-style-type: none"> - Strong mineral acids and alkali from medium to high concentration - Brake fluids non-petroleum based - Hydraulic fluids based on phosphoric esters - Ketones and esters - Distilled water 100° C and steam

*depending from the types

** with a specific optimal formulation