



TECHNICAL DATA SHEET

Compound :

FVMQ

Trifluoropropylmethylvinyl-polysiloxane

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

Physical-mechanical properties	Unit of measurement	Requested
Hardness	Shore A	38 ÷ 73
Density	g/cm ³	1,36 ÷ 1,63
Minimum temperature	° C	- 55
Maximum temperature	° C	175 ÷ 200 **

Physical-mechanical characteristics	<p><i>Mechanical properties from poor to quite good *</i></p> <p><i>Excellent resistance to permanent deformation *</i></p> <p><i>Rebound elasticity from poor to good * **</i></p>
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Other properties	<p><i>Very poor air and gas impermeability (but higher than the MVQ types)</i></p> <p><i>Excellent dyeing</i></p> <p><i>Excellent UV radiation resistance</i></p> <p><i>Excellent dielectric properties</i></p> <p><i>Rather poor resistance to combustion</i></p> <p><i>Odourless and tasteless</i></p>
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Chemical compatibility	<p><i>Excellent in contact with:</i></p> <ul style="list-style-type: none"> - Sintetic dielectric oils - Oils and vegetable and animal greases - Ozone and atompsheric agents - Water and saline solutions up to 100°C - Aliphatic hydrocarbons and mineral oils - Aromatic hydrocarbons
	<p><i>Satisfactory in contact with:</i></p> <ul style="list-style-type: none"> - Chlorine and bromine - Chloridated solvents - Alcohols and glycols - Hydraulic fluids on the basis of silicic esters - Hydraulic fluids on the basis of fuel-oils
	<p><i>Satisfactory enough in contact with:</i></p> <ul style="list-style-type: none"> - Diluted solutions of acids and basic substances - Sintetic lubricants on the basis of diesters - Hydraulic fluids on the basis of phosphoric esters
	<p><i>Insufficient in contact with:</i></p> <ul style="list-style-type: none"> - Ketones - Steam over 120°C - Acids and strong mineral basic substance

*depending from the types

** with a specific optimal formulation