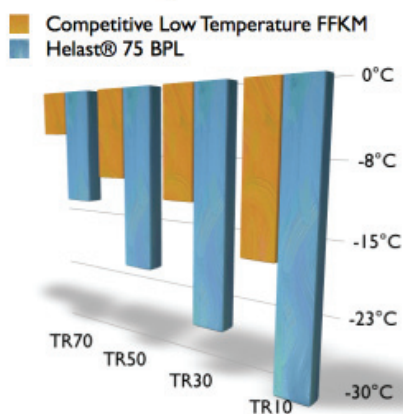




Low Temperature Capability comparison



Key Attributes :

- Excellent Low temperature resistance
- Excellent acid and amine resistance
- T_g onset -38°C
- T_g midpoint -32°C



Scan and Watch the presentation

Description

Helast® 75 BPL is suitable for most applications in temperature ranging from -40°C to +230°C, offering outstanding resistance to aggressive media such as hot organic and inorganic acids, caustics, amines (especially hot amines, i.e. at temperature higher than +70°C), ketones, aldehydes, esters, ethers, alcohols, fuels, solvents, sour gases, hydrocarbons, steam, hot water, formate solutions and mixed process streams.

Case Hardening Temperature :	- 40°C / + 230°C
Color :	Black
Type:	Perfluoroelastomer (FFKM)
Applications :	Excellent Low Temperature capability
Similar Grades :	Helast® 75 BHC

Material Properties

Property	Unit	Norm	Value
Density	Kg.m ⁻³	ISO 2781	1950
Hardness shore A	Point	ISO 7619	75
Tensile strength	Mpa	ISO 37	16.78
Ultimate elongation	%	ISO 37	257
Compression set 70h@200°C	%	ISO 815	30
TR10 Low Temperature Flexibility	°C	ASTM D1329	-30
DSC			
T _g onset	°C		-38
T _g midpoint	°C		-32

Fluid Resistance

Fluid	Time	Temperature	Volume Change
Ethylene diamine	72 h	100°C	+11%
Hexamethylene diamine	168 h	150°C	+17%
NH ₃ 28%	336 h	100°C	+6.7 %
Fuel B	72 h	23°C	+5.5
Steam	168 h	220°C	+0.8
Methanol	168 h	23°C	+0.8
Ethyl Acetate	168 h	23°C	+4.2
H ₂ SO ₄ 98%	168 h	65°C	+9.9
HNO ₃ 65%	72 h	80°C	+7.4

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The above information corresponds to our current knowledge and is offered solely to provide possible suggestions for your own experimentations. It is not intended to substitute any testing you may need to conduct to determine suitability of our products for your end use. Elastotech SA makes no warranties and assumes no liability in connection with any use of the above information.

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