

V06 - FPM GLT

Fluoro Rubber

Mechanical, Physical and Thermal Properties

PROPERTIES	CONDITION	STANDARD	UNIT		UNIT	
Colour				black		black
hardness	23°C/3 sek.	ISO 868	Shore A	85 ± 5	Shore A	85 ± 5
hardness	23°C/15 sek	ISO 868	Shore A	83 ± 5	Shore A	83 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 4,5	psi	≥ 650
tensile strength	23°C	DIN 53 504	MPa	≥ 6	psi	≥ 870
elongation at break	23°C	DIN 53 504	%	≥ 150	%	≥ 150
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 5	lbf/inch	≥ 28,5
spec. gravity	23°C	ISO 1183	kg/m ³	1810	g/cm ³	1,81
rebound elasticity	23°C	DIN 53 512	%	16	%	16
abrasion		DIN 53 516	mm ³		mm ³	
compression set	*	ISO 815	%	≤ 16	%	≤ 16
compression set	**	ISO 815	%	≤ 17	%	≤ 17
compression set		ISO 815	%		%	
minimum service temperature			°C	-40	°F	-40
maximum service temperature			°C	200	°F	390
temp. max water/steam			°C		°F	
temp. max hot air, short			°C		°F	

* 24h 70°C 25% def. ** 24h 100°C 25% def. *** 24h 150°C 25% def.

Chemical Properties

Copolymer, based on fluorine

Resistant to: fats, crude oil, mineral oil, gasoline, aliphatic and aromatic hydrocarbons

Not resistant to: glycols, ketones, most fluids containing amines, water/steam