

TFE/P AFLAS[®] registered trademark of Asahi Glass Company

Fluoro rubber

Mechanical, physical and thermal properties

Properties	Condition	Standard	Unit			
Colour				Black		Black
Hardness	23°C	ISO 868	Shore A	85±5	Shore A	85±5
Modulus 100%	23°C	DIN 53 504	MPa	≥8	Psi	≥1160
Tensile strength	23°C	DIN 53 504	MPa	≥14	Psi	≥2030
Elongation at break	23°C	DIN 53 504	%	≥180	%	≥180
Tear strength	23°C	DIN 53 515	kN/m	≥6	Ibf/inch	≥35
Spec. gravity	23°C	ISO 1183	Kg/m ³	16980	g/cm ³	1,69
Rebound elasticity	23°C	DIN 53 512	%	10	%	10
Abrasion	23°C	DIN 53 516	mm ³	163	mm ³	163
Compression set	*	ISO 815	%		%	
Compression set	**	ISO 815	%		%	
Compression set	***	ISO 815	%		%	
Minimum service temperature			°C	-10	°F	14
Maximum service temperature			°C	200	°F	392
Temp maximum water steam			°C	170	°F	338
Temp maximum hot air			°C	230	°F	446
				short		short
* 24 h 70°C 25% deflection ** 24h 100°C 25% deflection *** 24h 150°C 25% deflection						

Chemical Properties

Copolymer, based on fluoro

Resistant to: greases, crude oil, mineral oil, gasoline, aliphatic and aromatic hydrocarbons, AT fluids, 100% methanol

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

Detailed information concerning chemical resistance see Rhondama Compatibility Chart