

Teflon PFA Copolymer Disk

Formula: PFA

Thickness: 0.052mm

Diameter: 20mm

Transparency: Clear/Transparent

UOM Code: 101-010-04

SKU: 1000014704-group

Product Code: FV32-FM-000150

Material Properties for Polymers

Chemical Resistance

Element	Value
Acids - concentrated	Excellent
Acids - dilute	Excellent
Alcohols	Excellent
Alkalis	Excellent
Aromatic hydrocarbons	Excellent
Greases and Oils	Excellent
Halogens	Excellent
Ketones	Excellent

Electrical Properties

Element	Value
Dielectric constant @ 1kHz	2.05-2.06
Dielectric constant @ 1MHz	2.05-2.06
Dissipation factor @ 1kHz	0.0001-0.0002
Dissipation factor @ 1MHz	0.0008

Physical Properties

Element	Value
Flammability	V0
Refractive index	1.35
Limiting oxygen index(%)	95%

Element	Value
Water absorption(%)	0.03
Density(gcm ³)	2.15

Mechanical Properties

Element	Value
Elongation at break(%)	300
Tensile strength(MPa)	25

Thermal Properties

Element	Value
Heat-deflection temperature - 0.45MPa(C)	63-80
Heat-deflection temperature - 1.8MPa(C)	48-50
Upper working temperature(C)	260
Thermal conductivity(W m ⁻¹ K ⁻¹)	0.19
Coefficient of thermal expansion(x10 ⁻⁵ K ⁻¹)	76-78