

PSU Disk

Formula: PSu

Thickness: 0.025mm

Diameter: 6.35mm

CAS Number: 25135-51-7

UOM Code: 230-940-63

SKU: 1000096893-group

Product Code: SU34-FM-000125

Material Properties for Polymers

Chemical Resistance

Element	Value
Acids - concentrated	Fair
Acids - dilute	Good
Alcohols	Good
Alkalis	Good
Aromatic hydrocarbons	Fair
Greases and Oils	Good
Halogens	Good
Ketones	Poor

Electrical Properties

Element	Value
Dielectric constant @ 1kHz	3.14
Dielectric constant @ 1MHz	3.1
Dissipation factor @ 1kHz	0.0013
Dissipation factor @ 1MHz	0.005
Dielectric strength(kV mm ¹)	17
Volume resistivity(Ohmcm)	5x10 ¹²

Physical Properties

Element	Value
Flammability	HB

Element	Value
Radiation resistance	Good
Resistance to Ultra-violet	Poor
Limiting oxygen index(%)	30
Water absorption(%)	0.4
Water absorption - equilibrium(%)	0.85
Density(gcm ³)	1.24

Mechanical Properties

Element	Value
Hardness - Rockwell	M91
Elongation at break(%)	50-100
Tensile modulus(GPa)	2.48
Izod impact strength(J m ²)	69
Tensile strength(MPa)	70

Thermal Properties

Element	Value
Heat-deflection temperature - 1.8MPa(C)	174
Upper working temperature(C)	150-180
Thermal conductivity(W m ⁻¹ K ⁻¹)	0.26
Coefficient of thermal expansion(x10 ⁻⁵ K ⁻¹)	56