

Semi-conducting PVDF-HFP Balls

Grade: Semi-conducting

Formula: FKM carbon black filled

Diameter: 3.18mm

Quantity: 10 Pcs

Type: Precision Sphere

Sphericity: 40µm

Colour: Black

UOM Code: 728-016-65

SKU: 1000116298-group

Product Code: FV36-SP-000100

Material Properties for Polymers

Chemical Resistance

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

Physical Properties

Element	Value
Flammability	Self Extinguishing
Radiation resistance	Poor
Resistance to Ultra-violet	Excellent
Density(gcm ³)	2

Mechanical Properties

Element	Value
Hardness - Rockwell	Shore A75
Compression set after 24 hr at 175C(%)	43
Elongation at break(%)	200
Tensile strength(MPa)	9
Tear strength(N mm ⁻¹)	10

Thermal Properties

Element	Value
Lower working temperature(C)	40
Upper working temperature(C)	220-300
Thermal conductivity(W m ⁻¹ K ⁻¹)	0.3@23°C
Coefficient of thermal expansion(x10 ⁻⁴ K ⁻¹)	160