

PVDC Powder

Formula: PVDC

Mean Particle Size: 180µm

Weight: 2000g

CAS Number: 9002-85-1

UOM Code: 028-030-25

SKU: 1000003425-group

Product Code: CV30-PD-000110

Material Properties for Polymers

Chemical Resistance

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

Mechanical Properties

Element	Value
Coefficient of friction	0.24
Hardness - Rockwell	R98-106
Tensile modulus(GPa)	0.3-0.55
Izod impact strength(J m ²)	16-53
Tensile strength(MPa)	25-110

Electrical Properties

Element	Value
Dielectric constant @1MHz	03-Jun
Surface resistivity(Ohm/sq)	10 ¹² -10 ¹³
Volume resistivity(Ohmcm)	10 ¹² -10 ¹⁷

Physical Properties

Element	Value
Radiation resistance	Fair
Resistance to Ultra-violet	Poor
Limiting oxygen index(%)	60
Water absorption - over 24 hours(%)	0.1
Density(gcm ³)	1.63

Thermal Properties

Element	Value
Upper working temperature(C)	80-100
Thermal conductivity(W m ⁻¹ K ⁻¹)	0.13@23°C
Coefficient of thermal expansion(x10 ⁻⁵ K ⁻¹)	190