

10% Carbon Fiber Reinforced POM/Acetal Copolymer Granules

Formula: POMC - 10% CFR

Nominal Granule Size: 3mm

Weight: 2000g

Type: Injection Moulding

Colour: Black

UOM Code: 109-463-58

SKU: 1000022152-group

Product Code: OX33-GL-000110

Material Properties for Polymers

Chemical Resistance

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

Physical Properties

Element	Value
Flammability	HB
Water absorption - over 24 hours(%)	0.1
Density(gcm ³)	1.43

Mechanical Properties

Element	Value
Elongation at break(%)	1.2

Element	Value
Tensile modulus(GPa)	8
Izod impact strength(J m ⁻¹)	59
Tensile strength(MPa)	70

Thermal Properties

Element	Value
Upper working temperature(C)	100
Thermal conductivity(W m ⁻¹ K ⁻¹)	0.4
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	60

Electrical Properties

Element	Value
Surface resistivity(Ohm/sq)	10 ³
Volume resistivity(Ohmcm)	10 ⁷