

Vectra® MT1300 Liquid Crystal Polyester Rod

Formula: Vectra® MT1300

Diameter: 10mm

Length: 1000mm

Type: Unfilled

Colour: Black

UOM Code: 720-084-34

SKU: 1000085989-group

Product Code: ET39-RD-000110

Material Properties for Polymers

Electrical Properties

Element	Value
Dielectric constant @ 1MHz	2.7
Dissipation factor @ 1MHz	0.016
Dielectric strength(kV mm ¹)	36
Surface resistivity(Ohm/sq)	10 ¹²
Volume resistivity(Ohmcm)	10 ¹²

Mechanical Properties

Element	Value
Elongation at break(%)	3.4
Izod impact strength(J m ¹)	252

Physical Properties

Element	Value
Water absorption(%)	0.03
Density(gcm ³)	1.4

Thermal Properties

Element	Value
Heat-deflection temperature - 0.45MPa(C)	94

Element	Value
Heat-deflection temperature - 1.8MPa(C)	187
Coefficient of thermal expansion($\times 10^{-6} \text{ K}^{-1}$)	4