

Custom Resins Vexel™ E20GF45 , 45% Glass Reinforced PET (discontinued **)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 50% Glass Reinforced

Material Notes:

Description: Vexel™ E20GF45 is a 45% glass fiber reinforced, general purpose PET. Information provided by Custom Resins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Custom-Resins-Vexel-E20GF45-45-Glass-Reinforced-PET-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.70 g/cc	1.70 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	179 MPa	26000 psi	ASTM D638
Elongation at Break	1.0 %	1.0 %	ASTM D638
Flexural Modulus	12.4 GPa	1800 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm	1.30 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	245 °C	473 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	235 °C	455 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	221 °C	430 °F	ASTM D648

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