

Adell WL-38 40% Glass and Mineral Reinforced PET

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Glass/Mineral Reinforced

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adell-WL-38-40-Glass-and-Mineral-Reinforced-PET.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.60 g/cc	1.60 g/cc	ASTM D792
Water Absorption	0.050 %	0.050 %	24 hr immersion; ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	87	87	ASTM D785
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Ultimate	124 MPa	18000 psi	ASTM D638
Flexural Strength	175 MPa	25400 psi	ASTM D790
Flexural Modulus	8.35 GPa	1210 ksi	ASTM D790
Compressive Yield Strength	145 MPa	21000 psi	ASTM D695
Izod Impact, Notched	0.694 J/cm @Thickness 3.17 mm	1.30 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	232 - 249 °C	450 - 480 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	243 °C	470 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	ASTM D648
Flammability, UL94	HB	HB	

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