

ResMart Ultra PBT 10 - High performance polyester resin that can be used for polymer alloys, fiber production, injection molding, and compounding

Technical Data Sheet Properties

Physical Property	Value	Test Method
Specific Gravity	1.31	ASTM D 792
Melt Flow Rate @ 250°C 2.16kg	10 g/10 min	ASTM D 1238
Intrinsic Viscosity	1.2 - 1.5 dl/g	
Mold Shrinkage	1.4 - 2.0 %	ASTM D 955

Mechanical Property	Value	Test Method
Tensile Strength	8200 psi	ASTM D 638
Flexural Strength	12000 psi	ASTM D 790
Flexural Modulus	400000 psi	ASTM D 790
Notched Izod Impact (0.125in)	1.1 ft-lbs/in	ASTM D 256
Un-Notched Izod Impact (0.125in)	No Break	ASTM D 4812

Thermal Property	Value	Test Method
HDT (66 psi) Unannealed	240 °F	ASTM D 648
HDT (264 psi) Unannealed	130 °F	ASTM D 648

Regulatory Compliance	Value
FDA Compliance	Yes
RoHS Compliance	Yes

Processing Guidelines	Value
Drying Temperature	240 - 260 °F
Drying Time	2 - 4 Hours
Melt Temperature	450 - 500 °F
Mold Temperature	160 - 200 °F

The information provided on this datasheet should only be used as a guideline. Actual lot to lot values will vary.

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