HiTerra® rPETG 2453 3DP White

Techmer Polymer Modifiers - *Polyethylene Terephthalate Glycol Comonomer*

Product Description

HiTerra® PETG 2453 3DP is a specially formulated, white colored, and compounded thermoplastic material designed for general purpose additive manufacturing applications. This product has been optimized for maximum printability in additive manufacturing.

General	
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber
Recycled Content	• Yes
Uses	• Additive Manufacturing (3D Printing)
Appearance	• White

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.50		ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	12500	psi	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	1.00E+6	psi	ASTM D790
Flexural Strength	15000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (0.125 in)	1.5	ft·lb/in	ASTM D256

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	130	°F
Drying Time	1.0 to 5.0	hr
Cylinder Zone 1 Temp.	380 to 420	°F
Cylinder Zone 2 Temp.	380 to 420	°F
Cylinder Zone 3 Temp.	420 to 460	°F
Cylinder Zone 4 Temp.	440 to 500	°F
Melt Temperature	440 to 500	°F
Die Temperature	440 to 500	°F

Extrusion Notes

If drying for longer than 6 hours, recommend reducing the temperature to 100°F in a dessiccant dryer to avoid degradaton of the material.