

HiTerra® PETG 2311 ECO 3DP

Techmer Polymer Modifiers - *Polyethylene Terephthalate Glycol Comonomer*

Product Description

HiTerra® PETG 2311 3DP is a specially formulated 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
Recycled Content	• Yes
Uses	• Additive Manufacturing (3D Printing)

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6000	psi	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	250000	psi	ASTM D790
Flexural Strength	9000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	10	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.	350 to 400	°F
Cylinder Zone 2 Temp.	360 to 420	°F
Cylinder Zone 3 Temp.	400 to 460	°F
Cylinder Zone 4 Temp.	400 to 480	°F
Melt Temperature	400 to 460	°F
Die Temperature	400 to 480	°F

Extrusion Notes

If drying for longer than 5 hours, recommend reducing the temperature to 100°F in a dessiccant dryer to avoid degradation of the material.

