

Electrafil® PETG 2415 3DP

 Techmer Polymer Modifiers - *Polyethylene Terephthalate Glycol Comonomer*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Carbon Fiber
Uses	• Additive Manufacturing (3D Printing)
Processing Method	• 3D Printing

Properties ¹

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14000	psi	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	780000	psi	ASTM D790
Flexural Strength	18000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	2.5	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	280	°F
Drying Time	3.0 to 6.0	hr
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	550 to 580	°F
Cylinder Zone 2 Temp.	600 to 650	°F
Cylinder Zone 3 Temp.	660 to 700	°F
Cylinder Zone 4 Temp.	660 to 700	°F
Melt Temperature	650 to 700	°F
Die Temperature	660 to 700	°F

Extrusion Notes

If material is to remain in dryer for more than 6 hours in dried state, reduce dryer temperature to 150°F to prevent degradation of material.

