

Electrafil® PEI 140 G

 Techmer Polymer Modifiers - *Polyetherimide*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.63		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	870000	psi	ASTM D638
Tensile Strength (Yield)	14100	psi	ASTM D638
Tensile Strength (Break)	14000	psi	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.80	ft·lb/in	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+4	ohms	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	275	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	650 to 710	°F
Middle Temperature	660 to 720	°F
Front Temperature	670 to 680	°F
Nozzle Temperature	680 to 735	°F
Processing (Melt) Temp	660 to 730	°F
Mold Temperature	250 to 325	°F
Injection Rate	Slow	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Moderate	

