Wednesday, May 13, 2026

Electrafil® PEI CF30

Techmer Polymer Modifiers - *Polyetherimide*

Units SI

Action **Legend (Open)**

General Information

General	
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Carbon Fiber, 30% Filler by Weight
Processing Method	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.40	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	12400	MPa	ASTM D638
Tensile Strength (Yield)	145	MPa	ASTM D638
Tensile Elongation (Break)	1.7	%	ASTM D638
Flexural Modulus	11700	MPa	ASTM D790
Flexural Strength	228	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	37	J/m	ASTM D256
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+2 to 1.0E+6	ohms	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	135	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	343 to 377	°C
Middle Temperature	349 to 382	°C
Front Temperature	354 to 360	°C
Nozzle Temperature	360 to 391	°C
Processing (Melt) Temp	349 to 388	°C
Mold Temperature	121 to 163	°C
Injection Rate	Slow	
Back Pressure	0.00 to 0.345	MPa
Screw Speed	Moderate	

Notes

[1] Typical properties: these are not to be construed as specifications.

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