Wednesday, May 13, 2026

HiFill® PEEK 150 A

Techmer Polymer Modifiers - *Polyetheretherketone*

Units SI

Action **Legend (Open)**

General Information

General	
Material Status	• Commercial: Active
Availability	• North America
Appearance	• Natural Color
Processing Method	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3500	MPa	ISO 527-1
Tensile Stress (Yield)	100	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Tensile Strain (Break)	25	%	ISO 527-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	204	°C	ISO 75-2/B
Deflection Temperature Under Load (1.8 MPa, Unannealed)	150	°C	ISO 75-2/A

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	149	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	338 to 371	°C
Middle Temperature	343 to 377	°C
Front Temperature	349 to 382	°C
Nozzle Temperature	354 to 388	°C
Processing (Melt) Temp	343 to 385	°C
Mold Temperature	135 to 177	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.00 to 0.345	MPa
Screw Speed	Slow	

Notes

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

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