Wednesday, May 13, 2026

HiFill® J-1500/40 BK

Techmer Polymer Modifiers - *Polysulfone*

Units SI

Action **Legend (Open)**

General Information

General	
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber
Appearance	• Black
Processing Method	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.55	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.60 to 0.90	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	11700	MPa	ASTM D638
Tensile Strength (Yield)	121	MPa	ASTM D638
Tensile Strength (Break)	117	MPa	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Flexural Modulus	12400	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	53	J/m	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	149	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	335 to 363	°C
Middle Temperature	343 to 371	°C
Front Temperature	349 to 377	°C
Nozzle Temperature	354 to 382	°C
Processing (Melt) Temp	343 to 379	°C
Mold Temperature	135 to 177	°C
Injection Rate	Moderate	
Back Pressure	0.00 to 0.345	MPa
Screw Speed	Slow-Moderate	

Notes

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

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