Wednesday, May 13, 2026

HiFill® Thoren PSU GF20 BL377

Techmer Polymer Modifiers - *Polysulfone*

Units SI

Action **Legend (Open)**

General Information

General	
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Processing Method	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.37	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	81.4	MPa	ASTM D638
Tensile Elongation (Break)	2.6	%	ASTM D638

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	149	°C
Drying Time	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	329 to 385	°C
Mold Temperature	135 to 163	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.345 to 1.03	MPa
Screw Speed	Moderate-Fast	

Notes

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

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