Wednesday, May 13, 2026

HiFill® PSU 3010 LE WT286

Techmer Polymer Modifiers - *Polysulfone*

Units SI

Action **Legend (Open)**

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	1.25	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (343°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	72.4	MPa	ASTM D638
Tensile Elongation (Break)	87	%	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	69	J/m	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	135	°C
Drying Time	2.0 to 3.0	hr
Rear Temperature	338 to 360	°C
Middle Temperature	343 to 366	°C
Front Temperature	349 to 371	°C
Nozzle Temperature	354 to 377	°C
Processing (Melt) Temp	343 to 379	°C
Mold Temperature	121 to 177	°C
Injection Rate	Moderate	
Back Pressure	0.172 to 0.517	MPa
Screw Speed	Slow-Moderate	

Notes

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

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