Wednesday, May 13, 2026

HiFill® PPSU MB7 HF OPAQUE BL515366

Techmer Polymer Modifiers - *Polyphenylsulfone*

Units SI

Action **Legend (Open)**

General Information

General	
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Barium Sulfate
Appearance	• Blue
Processing Method	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.37	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50 to 0.70	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2620	MPa	ASTM D638
Tensile Strength (Yield)	75.8	MPa	ASTM D638
Tensile Strength (Break)	72.4	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	150	J/m	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	135	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	343 to 371	°C
Middle Temperature	349 to 377	°C
Front Temperature	354 to 382	°C
Nozzle Temperature	360 to 388	°C
Processing (Melt) Temp	349 to 385	°C
Mold Temperature	121 to 149	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	Moderate	

Notes

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

powered by PROSPECTOR®

UL LLC ©2026. All rights reserved.

www.ulprospector.com

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.