

HiFill® PA6/6 GF50 HS L WT408

Techmer Polymer Modifiers - *Polyamide 66*

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 50% Filler by Weight
Additive	• Heat Stabilizer • Lubricant
Features	• Heat Stabilized • Lubricated
Appearance	• White
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.62		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2.47E+6	psi	ASTM D638
Tensile Strength (Yield)	31200	psi	ASTM D638
Tensile Strength (Break)	31200	psi	ASTM D638
Tensile Elongation (Break)	2.4	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	2.0	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	4.0	hr
Rear Temperature	520 to 540	°F
Middle Temperature	520 to 550	°F
Front Temperature	530 to 550	°F
Nozzle Temperature	520 to 540	°F
Processing (Melt) Temp	535 to 570	°F
Mold Temperature	150 to 180	°F
Injection Rate	Slow	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow-Moderate	

Notes

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

