

HiFill® 60-RED GF PP 094276 GF40

 Techmer Polymer Modifiers - *Polypropylene*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Filler / Reinforcement	<ul style="list-style-type: none"> Glass Fiber, 40% Filler by Weight
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.21		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	6.0 to 12	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	8.0E-3 to 0.010	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.10E+6	psi	ASTM D638
Tensile Strength (Yield)	11000	psi	ASTM D638
Tensile Strength (Break)	10500	psi	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.80	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150	°F
Rear Temperature	440 to 480	°F
Middle Temperature	450 to 490	°F
Front Temperature	460 to 500	°F
Nozzle Temperature	470 to 510	°F
Processing (Melt) Temp	450 to 515	°F
Mold Temperature	75 to 150	°F
Injection Rate	Slow-Fast	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow-Moderate-Fast	

Notes

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

