

HiFill® PP GF40 CC UV BK

 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
Features	<ul style="list-style-type: none"> UV Resistant
Appearance	<ul style="list-style-type: none"> Black
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
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	11100	psi	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.9	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	440 to 480	°F
Middle Temperature	450 to 490	°F
Front Temperature	460 to 500	°F
Nozzle Temperature	465 to 510	°F
Processing (Melt) Temp	440 to 500	°F
Mold Temperature	75 to 150	°F
Injection Rate	Slow	
Back Pressure	25.0 to 75.0	psi
Screw Speed	Moderate	

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