

HiFill® POM 500P GF WT401 - A

 Techmer Polymer Modifiers - *Acetal (POM) Homopolymer*
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
Appearance	<ul style="list-style-type: none"> White
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.63		ASTM D792
Moisture (266°F)	0.070	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9700	psi	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.64	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	170	°F
Drying Time	1.0 to 2.0	hr
Rear Temperature	340 to 380	°F
Middle Temperature	350 to 390	°F
Front Temperature	360 to 410	°F
Nozzle Temperature	370 to 420	°F
Processing (Melt) Temp	355 to 420	°F
Mold Temperature	75 to 150	°F
Injection Rate	Slow-Moderate	
Back Pressure	50.0 to 100	psi
Screw Speed	Slow-Moderate	

