

HiFill® TPV 80A GF10

 Techmer Polymer Modifiers - *Thermoplastic Vulcanizate*
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, 10% Filler by Weight
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.01		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	42000	psi	ASTM D638
Tensile Strength (Yield)	1000	psi	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	5.0	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	350	°F
Middle Temperature	360	°F
Front Temperature	370	°F
Nozzle Temperature	380 to 450	°F
Processing (Melt) Temp	390 to 450	°F
Mold Temperature	50 to 125	°F
Injection Rate	Fast	
Back Pressure	50.0 to 100	psi
Screw Speed	Moderate-Fast	

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