

HiFill® PA6/6 T40 CF40 IM BK95088

 Techmer Polymer Modifiers - *Polyamide 66*
General Information

General	
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Carbon Fiber, 40% Filler by Weight
Additive	• Impact Modifier
Features	• Impact Modified
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3.80E+6	psi	ASTM D638
Tensile Strength (Yield)	28500	psi	ASTM D638
Tensile Strength (Break)	28500	psi	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	3.00E+6	psi	ASTM D790
Flexural Strength	36000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.2	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	470 to 490	°F
Middle Temperature	480 to 500	°F
Front Temperature	490 to 510	°F
Nozzle Temperature	500 to 520	°F
Processing (Melt) Temp	480 to 525	°F
Mold Temperature	100 to 200	°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.

