

HiFill® PA6 1020

 Techmer Polymer Modifiers - *Polyamide 6*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Filler
Features	• High Specific Gravity
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	10.2		ASTM D792
Molding Shrinkage - Flow (0.125 in)	1.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	8500	psi	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Flexural Modulus	2.20E+6	psi	ASTM D790
Flexural Strength	7000	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	1.9	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	255	°F	ASTM D648
Electrical			
Volume Resistivity	1.0 to 1.0E+2	ohms·cm	ASTM D257

