

HiFill® PA6/6 NAT

 Techmer Polymer Modifiers - *Polyamide 66*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Appearance	• Colors Available • Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.14		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.018	in/in	ASTM D955
Water Absorption (24 hr)	1.2	%	ASTM D570
Mechanical			
Nominal Value Unit Test Method			
Tensile Strength (Yield)	12000	psi	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	420000	psi	ASTM D790
Flexural Strength	20000	psi	ASTM D790
Impact			
Nominal Value Unit Test Method			
Notched Izod Impact (73°F, 0.125 in)	1.1	ft-lb/in	ASTM D256
Hardness			
Nominal Value Unit Test Method			
Rockwell Hardness (R-Scale)	105		ASTM D785
Thermal			
Nominal Value Unit Test Method			
Deflection Temperature Under Load (66 psi, Unannealed)	459	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	190	°F	ASTM D648
CLTE - Flow	4.3E-5	in/in/°F	ASTM D696
Electrical			
Nominal Value Unit Test Method			
Volume Resistivity	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	450	V/mil	ASTM D149
Flammability			
Nominal Value Unit Test Method			
Flame Rating (0.03 in)	V-2		UL 94
Additional Information			
Nominal Value Unit Test Method			
TPCI #	8384101		

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