

HiFill® PA6/6 HS N MB

Techmer Polymer Modifiers - *Polyamide 66*

General Information

General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Heat Stabilizer	• Lubricant	• Nucleating Agent
Features	• Fast Molding Cycle	• Lubricated	
	• Heat Stabilized	• Nucleated	
Appearance	• Colors Available		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.14		ASTM D792
Molding Shrinkage - Flow	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 (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
Additional Information	Nominal Value	Unit	Test Method
TPCI #	8384101		

Notes

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

