

HiFill® PA6 LE BK

Techmer Polymer Modifiers - *Polyamide 6*

General Information

General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Lubricant	• Nucleating Agent	
Features	• Fast Molding Cycle	• Low Extractables	• Nucleated
	• Good Processability	• Lubricated	
Agency Ratings	• FDA		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.13		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.011	in/in	ASTM D955
Water Absorption (24 hr)	2.8	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	13100	psi	ASTM D638
Tensile Elongation (Break)	70	%	ASTM D638
Flexural Modulus	410000	psi	ASTM D790
Flexural Strength	16700	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	0.90	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	352	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	170	°F	ASTM D648
CLTE - Flow	4.6E-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))	460	V/mil	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.030 in)	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
TPCI #	7964102		

