

HiFill® PA6 E40

 Techmer Polymer Modifiers - *Polyamide 6*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Appearance	<ul style="list-style-type: none"> Colors Available
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Extrusion

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.13		ASTM D792
Molding Shrinkage - Flow	0.011	in/in	ASTM D955
Water Absorption (24 hr)	2.8	%	ASTM D570
Mechanical			
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			
Notched Izod Impact (0.125 in)	1.1	ft-lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	119		ASTM D785
Thermal			
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			
Volume Resistivity	1.0E+13	ohms-cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	460	V/mil	ASTM D149

