

HiFill® J-75/30

Techmer Polymer Modifiers - *Polyamide 6 Alloy*

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.26		ASTM D792
Molding Shrinkage - Flow (0.125 in)	3.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.35	%	ASTM D570
Water Absorption (Saturation, 73°F)	4.9	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	1.20E+6	psi	ASTM D638
Tensile Strength (Break, 73°F)	17500	psi	ASTM D638
Tensile Elongation (Break, 73°F)	4.3	%	ASTM D638
Flexural Modulus (73°F)	1.10E+6	psi	ASTM D790
Flexural Strength (Break, 73°F)	23000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.6	ft·lb/in	ASTM D256
Unnotched Izod Impact (73°F, 0.125 in)	10	ft·lb/in	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	330	°F	ASTM D648

