

HiFill® PA6 0500

 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
Filler / Reinforcement	<ul style="list-style-type: none"> Filler
Features	<ul style="list-style-type: none"> High Specific Gravity
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"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	5.02		ASTM D792
Molding Shrinkage - Flow (0.125 in)	3.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6700	psi	ASTM D638
Tensile Elongation (Yield)	1.0	%	ASTM D638
Flexural Modulus	1.10E+6	psi	ASTM D790
Flexural Strength	7100	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.0	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	255	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13 to 1.0E+15	ohms·cm	ASTM D257

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