

HiFill® PBT 2112

Techmer Polymer Modifiers - *Polybutylene Terephthalate*

General Information

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Material Status	• Commercial: Active
Availability	• North America
Additive	• Impact Modifier
Features	• Impact Modified
Appearance	• Colors Available
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.27		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.024	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6000	psi	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus	270000	psi	ASTM D790
Flexural Strength	9500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°F, 0.125 in	3.0	ft·lb/in	
73°F, 0.125 in	5.0	ft·lb/in	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	245	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	120	°F	ASTM D648
CLTE - Flow	4.8E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	400	V/mil	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.13 in)	HB		UL 94

