

HiFill® TPX-PMP-03032

 Techmer Polymer Modifiers - *Polymethylpentene*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	0.830		ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	25	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	0.015	in/in	ASTM D955
Water Absorption (24 hr)	0.010	%	ASTM D570
Mechanical			
Nominal Value Unit Test Method			
Tensile Strength (Yield)	4300	psi	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Modulus	232000	psi	ASTM D790
Flexural Strength (Yield)	3600	psi	ASTM D790
Impact			
Nominal Value Unit Test Method			
Notched Izod Impact (0.125 in)	0.40	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	4.0	ft·lb/in	ASTM D4812
Thermal			
Nominal Value Unit Test Method			
Deflection Temperature Under Load (66 psi, Unannealed)	261	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	212	°F	ASTM D648
Melting Temperature	450	°F	ASTM D785
CLTE - Flow	1.2E-5	in/in/°F	ASTM D696
Electrical			
Nominal Value Unit Test Method			
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Flammability			
Nominal Value Unit Test Method			
Flame Rating	HB		UL 94
Additional Information			
Nominal Value Unit Test Method			
TPCI #			

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