

HiFill® HIPS TM40 WT

Techmer Polymer Modifiers - *High Impact Polystyrene*

General Information

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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Talc, 40% Filler by Weight
Appearance	• Colors Available • White
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.22		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3300	psi	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	290000	psi	ASTM D790
Flexural Strength	5200	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	2.0	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	176	°F	ASTM D648
CLTE - Flow	4.0E-6	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	460	V/mil	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

Notes

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

