

Plaslube® PS 06001

Techmer Polymer Modifiers - General Purpose Polystyrene

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Filler • Mineral
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.61		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.012	in/in	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8000	psi	ASTM D638
Tensile Elongation (Break)	0.50	%	ASTM D638
Flexural Modulus	2.00E+6	psi	ASTM D790
Flexural Strength	17000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	0.60	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	390	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	450	°F	ASTM D648
CLTE - Flow	3.3E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 to 1.0E+2	ohms	ASTM D257
Volume Resistivity	10 to 1.0E+2	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-0		UL 94

Notes

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

