Monday, May 11, 2026

Plaslube® PA6/12 05007

Techmer Polymer Modifiers - *Polyamide 12*

Units SI

Action **Legend (Open)**

General Information

General		
Material Status	• Commercial: Active	
Availability	• North America	
Additive	• Heat Stabilizer	• Lubricant
Features	• Heat Stabilized	• Lubricated
Appearance	• Colors Available	
Forms	• Pellets	
Processing Method	• Injection Molding	

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density / Specific Gravity	1.05	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.6	%	ASTM D955
Water Absorption (24 hr)	0.25	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	60.7	MPa	ASTM D638
Tensile Elongation (Yield)	50	%	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.18 mm)	43	J/m	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	114		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	154	°C	ASTM D648
Deflection Temperature Under Load (1.8 MPa, Unannealed)	55.0	°C	ASTM D648
CLTE - Flow	7.9E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+14	ohms	ASTM D257
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.5 mm)	V-2		UL 94

Notes

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

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