

Plaslube® ABS TL10

Techmer Polymer Modifiers - *Acrylonitrile Butadiene Styrene*

General Information

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.09		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	4.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	6.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	4000	psi	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	310000	psi	ASTM D790
Flexural Strength	9100	psi	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.18		
vs. Steel - Static	0.15		
Wear Factor	280	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°F, 0.125 in	1.0	ft·lb/in	
32°F, 0.125 in	1.9	ft·lb/in	
73°F, 0.125 in	4.0	ft·lb/in	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	219	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	172	°F	ASTM D648

Notes

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

