

Plaslube® TPU 40D GL10

 Techmer Polymer Modifiers - *Thermoplastic Polyurethane Elastomer*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Additive	<ul style="list-style-type: none"> Graphite Powder Lubricant: 10%
Features	<ul style="list-style-type: none"> Lubricated
Appearance	<ul style="list-style-type: none"> Colors Available
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5800	psi	ASTM D638
Tensile Elongation (Break)	580	%	ASTM D638
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.26		
vs. Steel - Static	0.30		
Wear Factor	40	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	ASTM D3702
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	800	psi	ASTM D412
Tear Strength	600	lbf/in	ASTM D624
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	40		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	185	°F	ASTM D1525
CLTE - Flow	8.8E-4	in/in/°F	ASTM D696

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