

Plaslube® PA6/6 TS20 FR BK

Techmer Polymer Modifiers - *Polyamide 66*

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Flame Retardant • Heat Stabilizer • PTFE + Silicone Lubricant
Features	• Flame Retardant • Lubricated • Heat Stabilized • Wear Resistant
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.49		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.019	in/in	ASTM D955
Water Absorption (24 hr)	0.45	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	6100	psi	ASTM D638
Tensile Elongation (Yield)	2.6	%	ASTM D638
Flexural Modulus	330000	psi	ASTM D790
Flexural Strength	9100	psi	ASTM D790
Wear Factor	7.0	10 ⁻⁴ -10 in ³ ·min/ft·lb·hr	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	0.50	ft·lb/in	ASTM D256
Unnotched Izod Impact (73°F, 0.125 in)	4.4	ft·lb/in	ASTM D4812
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	7		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	336	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	176	°F	ASTM D648
CLTE - Flow	4.5E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.13 in)	V-0		UL 94

Notes

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

