

Magnablend® PA6 SF80 L

Techmer Polymer Modifiers - *Polyamide 6*

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"> Lubricant Strontium Ferrite: 80%
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

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	2.90		ASTM D792
Water Absorption (24 hr)	0.90	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	6300	psi	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Flexural Modulus	1.20E+6	psi	ASTM D790
Flexural Strength (Yield)	10500	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	0.60	ft-lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	240	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	230	°F	ASTM D648
Melting Temperature	428	°F	
CLTE - Flow	1.9E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0E+11	ohms·cm	ASTM D257
Flammability			
Flame Rating	V-0		UL 94

Notes

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

