

# Plaslube® PA6/6 GF43 ML2 BK

Polyamide 66

Techmer Engineered Solutions

## Message:

Plaslube® PA6/6 GF43 ML2 BK is a polyamide 66 (nylon 66) product, which contains a 43% glass fiber reinforced material. It can be processed by injection molding and is available in North America. The main characteristics are: lubrication.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 43% filler by weight		
Additive	Molybdenum disulfide lubricant (2%)		
Features	Lubrication		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40	%	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	172	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	269	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
With steel-dynamic	0.31		ASTM D1894
With steel-static	0.24		ASTM D1894
Wear Factor	150	10 <sup>-8</sup> mm <sup>3</sup> /N · m	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	110	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	750	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	263	°C	ASTM D648
1.8 MPa, not annealed	260	°C	ASTM D648
CLTE - Flow	2.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Dielectric Strength <sup>1</sup>	20	kV/mm	ASTM D149

Additional Information		Nominal Value
TPCI #		8047101
Injection	Nominal Value	Unit
Drying Temperature	82.2	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	0.10	%
Rear Temperature	282 - 293	°C
Middle Temperature	288 - 299	°C
Front Temperature	277 - 288	°C
Nozzle Temperature	271 - 304	°C
Processing (Melt) Temp	282 - 304	°C
Mold Temperature	79.4 - 104	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.00 - 0.345	MPa
Injection instructions		
Screw Speed: SlowRecommendations for Molding and Tool Conditions: Well vented moldMoisture Content, as received: Product is packaged at 0.2% or less.		
NOTE		
1.	Method A (short time)	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material


Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT