

# Plaslube® PA4/6 GF33 TL15

Polyamide 46

Techmer Engineered Solutions

## Message:

Plaslube® PA4/6 GF33 TL15 is a Polyamide 46 (Nylon 46) product filled with 33% glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

Flame Rated

Heat Stabilizer

Lubricated

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Heat Stabilizer		
	PTFE Lubricant		
Features	Heat Stabilized		
	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Water Absorption (24 hr)	1.5	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	179	MPa	ASTM D638
Tensile Elongation (Break)	3.2	%	ASTM D638
Flexural Modulus	9650	MPa	ASTM D790
Flexural Strength	269	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	277	°C	ASTM D648
CLTE - Flow	1.8E-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>	24	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94



Injection	Nominal Value	Unit
Drying Temperature	85.0	°C
Drying Time	4.0 to 8.0	hr
Rear Temperature	282 to 316	°C
Middle Temperature	282 to 316	°C
Front Temperature	282 to 316	°C
Processing (Melt) Temp	246 to 316	°C
Mold Temperature	87.8 to 127	°C
Back Pressure	0.00 to 0.345	MPa
Screw Speed	40 to 80	rpm
NOTE		

1. Method A (Short-Time)

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#### Recommended distributors for this material

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