

Polifil® Nylon 628L-33GF

Polyamide 66

The Plastics Group

Message:

Polifil® Nylon 628L-33GF is a Polyamide 66 (Nylon 66) product. It is available in North America.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Molding Shrinkage - Flow	2.0	%	ASTM D955
Water Absorption			ASTM D570
24 hr	0.75	%	
Saturation	5.4	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	190	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	3.0	%	
Break	3.0	%	
Flexural Modulus	8960	MPa	ASTM D790
Flexural Strength (Break)	165	MPa	ASTM D790
Deformation Under Load (50°C, 14 MPa)	0.800	%	ASTM D621
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	252	°C	
1.8 MPa, Unannealed	249	°C	
Melting Temperature	254	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	17	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.70		ASTM D150
Injection	Nominal Value	Unit	
Rear Temperature	282	°C	
Middle Temperature	274	°C	
Front Temperature	271	°C	
Nozzle Temperature	260 to 299	°C	

Processing (Melt) Temp	279 to 304	°C
Mold Temperature	71.1 to 82.2	°C
Injection Rate	Fast	
Back Pressure	0.345 to 1.03	MPa
Screw Speed	50 to 80	rpm

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

