

# Quadrant EPP Nylatron® GF30

Polyamide 66

Quadrant Engineering Plastic Products

## Message:

Quadrant EPP Nylatron® GF30 is a Polyamide 66 (Nylon 66) product filled with 30% glass fiber. It can be processed by extrusion and is available in North America.

Characteristics include:

Flame Rated

Chemical Resistant

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Hydrocarbon Resistant		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm <sup>3</sup>	ASTM D792
Water Absorption			ASTM D570
24 hr	0.30	%	
Saturation	5.5	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	75		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4650	MPa	ASTM D638
Tensile Strength (Ultimate)	93.1	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	4480	MPa	ASTM D790
Flexural Strength (Yield)	145	MPa	ASTM D790
Compressive Modulus	4140	MPa	ASTM D695
Compressive Strength (10% Strain)	124	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204	°C	ASTM D648
Maximum Use Temperature - Long Term, Air	104	°C	
Peak Crystallization Temperature (DSC)	260	°C	ASTM D3418
CLTE - Flow <sup>1</sup> (-40 to 149°C)	3.6E-5	cm/cm/°C	ASTM E831
Thermal Conductivity	0.25	W/m/K	ASTM F433
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength <sup>2</sup>	14	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.18 mm, Estimated Rating)	V-2		UL 94
NOTE			

- |    |                       |
|----|-----------------------|
| 1. | 68°F                  |
| 2. | 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

