

Nycal™ 2050R30

Polyamide 612
Technical Polymers, LLC

Message:

Nycal™2050R30 is a polyamide 612 (nylon 6/12) material, and the filler is 30% glass fiber reinforced material. This product is available in North America and is processed by injection molding. Nycal™The main characteristics of 2050R30 are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	162	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	8270	MPa	ASTM D790
Flexural Strength (23°C)	238	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	196	°C	ASTM D648
Melting Temperature	218	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information			
Tensile Elongation, ASTM D638: 2 to 4%Volum Resistivity, ASTM D257: >1e13 ohm-cm			
Injection	Nominal Value	Unit	
Drying Temperature	73.9 - 79.4	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	260 - 304	°C	
Mold Temperature	65.6 - 98.9	°C	
Injection Rate	Moderate-Fast		
Back Pressure	0.103 - 0.689	MPa	
Screw Speed	50 - 100	rpm	
Clamp Tonnage	3.4 - 5.5	kN/cm ²	
Cushion	3.18 - 12.7	mm	

Screw L/D Ratio	20.0:1.0
Screw Compression Ratio	2.5:1.0

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

