Nycal™ 2150GB40

Polyamide 66

Technical Polymers, LLC

Message:

Nycal™2150GB40 is a polyamide 66 (nylon 66) material containing 40% glass beads. This product is available in North America and is processed by injection molding. Nycal™The main characteristics of 2150GB40 are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass beads, 40% filler by weight		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	77.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	7.0	%	ASTM D638
Flexural Modulus (23°C)	4650	MPa	ASTM D790
Flexural Strength (23°C)	131	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	116	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information			
Tensile Elongation, ASTM D638: 4 to 10%Volum Resistivity, ASTM D257: >1e14 ohm-cm			
Injection	Nominal Value	Unit	
Drying Temperature	73.9 - 79.4	°C	
Drying Time	3.0 - 4.0	hr	
Processing (Melt) Temp	277 - 304	°C	
Mold Temperature	65.6 - 98.9	°C	

Recommended distributors for this material

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WECHAT