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	Glass beads, 40% filler by weight		
Appearance	Natural color	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	МРа	ASTM D638	
Tensile Elongation (Break, 23°C)	7.0	%	ASTM D638	
Flexural Modulus (23°C)	4650	МРа	ASTM D790	
Flexural Strength (23°C)	131	МРа	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		9.5	ACTNA DCAO	
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	НВ		UL 94	
Additional Information				
Tensile Elongation, ASTM D638: 4 to 10	0%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		

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Recommended distributors for this material

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