Nycal™ 2155R43

Polyamide 66

Technical Polymers, LLC

Message:

Nycal™2155R43 is a polyamide 66 (nylon 66) material, which contains a 43% glass fiber reinforced material. This product is available in North America and is processed by injection molding. Nycal™The main characteristics of 2155R43 are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 43% filler by weight		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.50	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (23°C)	203	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.5	%	ASTM D638
Flexural Modulus (23°C)	11000	MPa	ASTM D790
Flexural Strength (23°C)	276	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	140	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	252	°C	ASTM D648
1.8 MPa, not annealed	243	°C	ASTM D648
Melting Temperature	257	°C	DSC
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: 2 to 3%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	271 - 299	°C	
Mold Temperature	65.6 - 98.9	°C	

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