

Radilon® A RFL4020 100 NAT 20002

Polyamide 66

Radici Plastics

Message:

PA66 20% glass fiber reinforced injection moulding grade with PTFE. Natural colour.

Suitable for parts requiring good mechanical properties, along with low friction coefficient and very good wear behaviour.

ISO 1043 : PA66 (GF+S)40

General Information				
Features		Good Wear Resistance		
		Low Friction		
RoHS Compliance		RoHS Compliant		
Appearance		Natural Color		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA66 (GF+S)40		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.43	--	g/cm ³	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	7300	--	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	140	--	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.6	--	%	ISO 527-2/1A/5
Flexural Modulus ¹	6600	--	MPa	ISO 178
Flexural Stress ²	210	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	75	--	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	--	°C	ISO 75-2/Af
Melting Temperature ³	260	--	°C	ISO 11357
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+13	ohms·cm	IEC 60093
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate	0.0	--	mm/min	FMVSS 302
Flame Rating (0.800 mm)	HB	--		UL 94
Glow Wire Flammability Index (2.00 mm)	700	--	°C	IEC 60695-2-12

Injection	Dry	Unit
Drying Temperature - Desiccant Dryer	80.0	°C
Drying Time - Desiccant Dryer	2.0 to 4.0	hr
Dew Point - Desiccant Dryer	< -20.0	°C
Suggested Max Moisture	0.15	%
Processing (Melt) Temp	280 to 300	°C
Mold Temperature	80.0 to 100	°C
Injection Rate	Moderate	

NOTE

1. 2.0 mm/min
2. 2.0 mm/min
3. 10°C/min

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