Radilon® A RFL4530 100 NAT

Polyamide 66

Radici Plastics

Message:

PA66 30% 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)45

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)45			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.47	--	g/cm³	ISO 1183
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	10400	--	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	180	--	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.4	--	%	ISO 527-2/1A/5
Flexural Modulus [1]	9800	--	MPa	ISO 178
Flexural Stress [2]	270	--	MPa	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	14	--	kJ/m²	ISO 179/1eA
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				
0.45 MPa, Unannealed	220	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	215	--	°C	ISO 75-2/Af
Vicat Softening Temperature	225	--	°C	ISO 306/B50
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

Recommended distributors for this material

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