Radilon® A ERV1003LK 100 NAT

Polyamide 66

Radici Plastics

Message:

PA66 7% glass fiber reinforced injection moulding grade. Toughened, lubricated and heat stabilized. Natural colour
Suitable for parts requiring flexibility and improved stiffness.
ISO 1043 : PA66-IT GF07

General Information				
Filler / Reinforcement	Glass Fiber,7.0% Filler by Weight			
Additive	Heat Stabilizer Lubricant			
Features	Good Flexibility Good Stiffness Good Toughness Heat Stabilized Lubricated			
RoHS Compliance	RoHS Compliant			
Appearance	Natural Color			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	PA66-IT GF07			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.17	--	g/cm³	ISO 1183
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	4200	--	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	100	--	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.2	--	%	ISO 527-2/1A/5
Flexural Modulus [1]	3450	--	MPa	ISO 178
Flexural Stress [2]	135	--	MPa	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	4.5	--	kJ/m²	
23°C	6.0	--	kJ/m²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	42	--	kJ/m²	
23°C	47	--	kJ/m²	
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**

Heat Deflection Temperature (1.8 MPa, Unannealed)	195	--	°C	ISO 75-2/Af
Vicat Softening Temperature	240	--	°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
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate	< 10	--	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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