

Radilon® A RV200K 333 NER

Polyamide 66

Radici Plastics

Message:

PA66 20% glass fiber reinforced injection moulding grade. Heat stabilized. Black colour.

Suitable for parts requiring improved stiffness and good heat ageing resistance.

ISO 1043 : PA66-T GF20

General Information				
Filler / Reinforcement	Glass Fiber,20% Filler by Weight			
Additive	Heat Stabilizer			
Features	Good Heat Aging Resistance			
	Good Stiffness			
	Heat Stabilized			
RoHS Compliance	RoHS Compliant			
UL File Number	E116324			
Appearance	Black			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	PA66-T GF20			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.26	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C, 2.00 mm	7.8	--	%	
Equilibrium, 23°C, 2.00 mm, 50% RH	2.1	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	6900	4100	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	140	90.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	5.0	%	ISO 527-2/1A/5
Flexural Modulus ¹	6300	3450	MPa	ISO 178
Flexural Stress ²	210	125	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	7.0	--	kJ/m ²	
23°C	8.0	12	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	40	--	kJ/m ²	
23°C	45	60	kJ/m ²	

Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	220	--	°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
Comparative Tracking Index	500	--	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-Fast			
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			
3.	10°C/min			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT