

# Radilon® A RV400K 333 NER

Polyamide 66

Radici Plastics

## Message:

PA66 40% glass fiber reinforced injection moulding grade. Heat stabilized. Black colour.

Suitable for parts requiring high stiffness, good mechanical resistance and good heat ageing properties retention.

ISO 1043 : PA66-T GF40

General Information				
Filler / Reinforcement	Glass Fiber,40% Filler by Weight			
Additive	Heat Stabilizer			
Features	Good Heat Aging Resistance Heat Stabilized High Stiffness			
RoHS Compliance	RoHS Compliant			
UL File Number	E116324			
Appearance	Black			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	PA66-T GF40			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.47	--	g/cm <sup>3</sup>	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C, 2.00 mm	5.5	--	%	
Equilibrium, 23°C, 2.00 mm, 50% RH	1.3	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	12800	10500	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	190	140	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.1	3.3	%	ISO 527-2/1A/5
Flexural Modulus <sup>1</sup>	11600	--	MPa	ISO 178
Flexural Stress <sup>2</sup>	290	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	18	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	88	110	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	255	--	°C	ISO 75-2/Bf

1.8 MPa, Unannealed	250	--	°C	ISO 75-2/Af
Vicat Softening Temperature	250	--	°C	ISO 306/B50
Melting Temperature <sup>3</sup>	260	--	°C	ISO 11357
<b>Electrical</b>	<b>Dry</b>	<b>Conditioned</b>	<b>Unit</b>	<b>Test Method</b>
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	550	--	V	IEC 60112
<b>Flammability</b>	<b>Dry</b>	<b>Conditioned</b>	<b>Unit</b>	<b>Test Method</b>
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
<b>Injection</b>	<b>Dry</b>	<b>Unit</b>		
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			
<b>NOTE</b>				
1.	2.0 mm/min			
2.	2.0 mm/min			
3.	10°C/min			

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