

Radilon® A CV300 333 NER

Polyamide 66

Radici Plastics

Message:

PA66 30% glass beads filled injection moulding grade. Black colour.

Suitable for parts requiring low warpage and good surface aspect.

ISO 1043 : PA66 GB30

General Information				
Filler / Reinforcement		Glass Bead,30% Filler by Weight		
Features		Good Surface Finish		
		Low Warpage		
RoHS Compliance		RoHS Compliant		
Appearance		Black		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA66 GB30		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.34	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C, 2.00 mm	7.6	--	%	
Equilibrium, 23°C, 2.00 mm, 50% RH	1.7	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	4300	2700	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	77.0	40.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	7.0	10	%	ISO 527-2/1A/5
Flexural Modulus ¹	3700	--	MPa	ISO 178
Flexural Stress ²	125	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	3.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	25	28	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	200	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	70.0	--	°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
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate	0.0	--	mm/min	FMVSS 302
Flame Rating (0.800 mm)	HB	--		UL 94
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			

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