

Radilon® A VHS 338 M NER

Polyamide 66

Radici Plastics

Message:

PA66 injection moulding grade. Nucleated for fast cycles. Black colour.

Suitable for parts requiring high productivity. Specifically developed for automotive head light bezels.

ISO 1043 : PA66

General Information				
Additive	Nucleating Agent			
Features	Fast Molding Cycle			
	Nucleated			
Uses	Automotive Applications			
	Lighting Applications			
RoHS Compliance	RoHS Compliant			
Appearance	Black			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	PA66			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C, 2.00 mm	8.9	--	%	
Equilibrium, 23°C, 2.00 mm, 50% RH	2.1	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3400	3100	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	88.0	55.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	--	25	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	5.0	> 50	%	ISO 527-2/1A/50
Flexural Modulus ¹	3100	--	MPa	ISO 178
Flexural Stress ²	120	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	4.0	--	kJ/m ²	
23°C	5.0	12	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	70.0	--	°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)	800	--	°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	270 to 290		°C	
Mold Temperature	70.0 to 90.0		°C	
Injection Rate	Moderate			
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			
3.	10°C/min			

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