

Radilon® A RV300LW 333 NER

Polyamide 66

Radici Plastics

Message:

PA66 30% glass fiber reinforced injection moulding grade. Lubricated, heat stabilized. Black colour.

Suitable for parts requiring high stiffness. Excellent heat ageing properties retention.

Particularly apt for automotive "under the hood" applications.

ISO 1043 : PA66-T GF30

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Additive		Heat Stabilizer		
		Lubricant		
Features		Good Heat Aging Resistance		
		Heat Stabilized		
		High Stiffness		
		Lubricated		
Uses		Automotive Applications		
		Automotive Under the Hood		
RoHS Compliance		RoHS Compliant		
Appearance		Black		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA66-T GF30		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.35	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C, 2.00 mm	7.0	--	%	
Equilibrium, 23°C, 2.00 mm, 50% RH	1.7	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9500	6500	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	165	120	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.4	6.0	%	ISO 527-2/1A/5
Flexural Modulus ¹	8700	5500	MPa	ISO 178
Flexural Stress ²	255	160	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA

-30°C	9.0	--	kJ/m ²	
23°C	10	15	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	60	--	kJ/m ²	
23°C	68	100	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	250	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	240	--	°C	ISO 75-2/Af
Vicat Softening Temperature	245	--	°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
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			

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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

