Radilon® A RV350LW 100 NAT 4817

Polyamide 66

Radici Plastics

Message:

PA66 35% glass fiber reinforced injection moulding grade. Lubricated, heat stabilized. Natural colour.
Suitable for parts requiring high stiffness, good mechanical resistance and excellent heat ageing properties retention.
Typical material used for automotive under bonnet components.
ISO 1043 : PA66-T GF35

General Information	
Filler / Reinforcement	Glass Fiber,35% 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	Natural Color
Processing Method	Injection Molding
Resin ID (ISO 1043)	PA66-T GF35

Physical	Dry	Conditioned	Unit	Test Method
Density	1.40	--	g/cm³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C, 2.00 mm	5.5	--	%	
Equilibrium, 23°C, 2.00 mm, 50% RH	1.5	--	%	

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	11300	--	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	200	--	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.4	--	%	ISO 527-2/1A/5
Flexural Modulus [1]	10400	--	MPa	ISO 178
Flexural Stress [2]	305	--	MPa	ISO 178

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	--	kJ/m²	ISO 179/1eA

Charpy Unnotched Impact Strength (23°C)	95	--	kJ/m²	ISO 179/1eU
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	250	--	°C	ISO 75-2/Af
Vicat Softening Temperature	250	--	°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	450	--	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
Glow Wire Ignition Temperature (2.00 mm)	725	--	°C	IEC 60695-2-13
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			

Recommended distributors for this material

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