

Radiflam® A RV250K AE 121 C NAT 3489

Polyamide 66

Radici Plastics

Message:

PA66 flame retardant injection moulding grade. 25% glass fiber reinforced. Natural colour.

Suitable for parts requiring fire retardancy, medium stiffness and good mechanical resistance. Rated V-0 according to UL-94.

ISO 1043 : PA66-T GF25 FR(17+72)

General Information				
UL YellowCard		E148796-101473218	E195505-101510624	E195505-101510627
		E337835-101516812	E195508-101520615	E116324-102055589
Filler / Reinforcement		Glass Fiber,25% Filler by Weight		
Additive		Flame Retardant		
Features		Filled		
		Flame Retardant		
		Good Stiffness		
RoHS Compliance		RoHS Compliant		
UL File Number		E116324		
Appearance		Natural Color		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA66-T GF25 FR(17+72)		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.57	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C, 2.00 mm	4.0	--	%	
Equilibrium, 23°C, 2.00 mm, 50% RH	1.0	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9500	--	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	110	--	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.9	--	%	ISO 527-2/1A/5
Flexural Modulus ¹	8800	--	MPa	ISO 178
Flexural Stress ²	170	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	42	45	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	225	--	°C	ISO 75-2/Af
Vicat Softening Temperature	240	--	°C	ISO 306/B50
Melting Temperature	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)	V-0	--		UL 94
Glow Wire Flammability Index				IEC 60695-2-12
1.00 mm	960	--	°C	
2.00 mm	960	--	°C	
Glow Wire Ignition Temperature				IEC 60695-2-13
1.00 mm	850	--	°C	
2.00 mm	850	--	°C	
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	0.10		%	
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			

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