

Radilon® A RV350

Polyamide 66

Radici Plastics

Message:

PA66 35% Glass Fiber reinforced injection moulding grade. High stiffness and dimensional stability. Natural colour

General Information				
UL YellowCard		E148796-101473250		
Filler / Reinforcement		Glass fiber reinforced material, 35% filler by weight		
Features		Good dimensional stability		
		Rigidity, high		
Appearance		Natural color		
Forms		Particle		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.40	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturated, 23°C	6.3	--	%	ISO 62
Equilibrium, 23°C, 50% RH	1.5	--	%	ISO 62
Viscosity Number	145	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	11900	9900	MPa	ISO 527-2
Tensile Stress (Break)	195	130	MPa	ISO 527-2
Tensile Strain (Break)	3.1	3.3	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/eA
-30°C	8.5	9.0	kJ/m ²	ISO 179/eA
23°C	11	15	kJ/m ²	ISO 179/eA
Charpy Unnotched Impact Strength				ISO 179/eU
-30°C	85	59	kJ/m ²	ISO 179/eU
23°C	100	90	kJ/m ²	ISO 179/eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	255	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	240	--	°C	ISO 75-2/Af
Vicat Softening Temperature	245	--	°C	ISO 306/B50

Melting Temperature (DSC)	260	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	--	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+13	ohms·cm	IEC 60093
Comparative Tracking Index	--	550	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.800 mm	HB	--		UL 94
1.60 mm	HB	--		UL 94
Additional Information				

干燥
The value listed as Melting Temperature, ISO 3146, was tested in accordance with ISO 11357-1-3 at a heating rate of 10°C/min.

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