

Radilon® A ERV3012

Polyamide 66

Radici Plastics

Message:

PA66 18% Glass Fiber reinforced injection moulding grade. High impact strength. Natural colour

General Information				
Filler / Reinforcement	Glass fiber reinforced material, 18% filler by weight			
Features	Impact resistance, high			
Appearance	Natural color			
Forms	Particle			
Processing Method	Injection molding			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.21	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturated, 23°C	6.7	--	%	ISO 62
Equilibrium, 23°C, 50% RH	1.8	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5300	4100	MPa	ISO 527-2
Tensile Stress (Break)	105	77.0	MPa	ISO 527-2
Tensile Strain (Break)	4.2	7.5	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/eA
-30°C	9.5	10	kJ/m ²	ISO 179/eA
23°C	13	20	kJ/m ²	ISO 179/eA
Charpy Unnotched Impact Strength				ISO 179/eU
-30°C	70	--	kJ/m ²	ISO 179/eU
23°C	68	80	kJ/m ²	ISO 179/eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	240	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	210	--	°C	ISO 75-2/Af
Vicat Softening Temperature	225	--	°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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