Radilon® S RV300 (Dry)

Polyamide 6

Radici Plastics

IDES | Prospector

Product Description
PA6 30% Glass Fiber injection moulding grade. High stiffness and dimensional stability. Natural colour

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • North America	• South America
Filler / Reinforcement	• Glass Fiber Reinforcement, 30% Filler by Weight		
Features	• Good Dimensional Stability	• High Stiffness	
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density	1.34	g/cm³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	7.5	%	
Equilibrium, 23°C, 50% RH	2.0	%	
Viscosity Number	145	cm³/g	ISO 307
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	9700	MPa	ISO 527-2
Tensile Stress (Break)	170	MPa	ISO 527-2
Tensile Strain (Break)	3.8	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/eA
-30°C	11	kJ/m²	
23°C	13	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/eU
-30°C	70	kJ/m²	
23°C	90	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	215	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	200	°C	ISO 75-2/Af
Vicat Softening Temperature	210	°C	ISO 306/B50
Melting Temperature (DSC)	220	°C	ISO 3146
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohm·cm	IEC 60093
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating - UL			UL 94
0.800 mm	HB		
1.60 mm	HB		

Additional Information
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.

Notes

[1] Typical properties: these are not to be construed as specifications.

Revision History
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