

Radilon® AGV 30 Black

Polyamide 66

Radici Plastics

Message:

Radilon®AGV 30 Black is a polyamide 66 (nylon 66) material, which contains a 30% glass fiber reinforced material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

Radilon®The main features of AGV 30 Black are:

flame retardant/rated flame

Heat resistance

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 30% filler by weight		
Features		Good heat aging resistance		
Appearance		Black		
Resin ID (ISO 1043)		PA6.6-GF30		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.36	--	g/cm ³	ISO 1183
Water Absorption ¹ (Equilibrium, 23°C, 1.00 mm, 50% RH)	1.5 - 1.9	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9700	6900	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	175	120	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	5.0	%	ISO 527-2/1A/5
Flexural Modulus ²	8600	6600	MPa	ISO 178
Flexural Stress ³	270	210	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	13	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	60	--	kJ/m ²	ISO 179/1eU
23°C	70	85	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	250	--	°C	ISO 75-2/B
1.8 MPa, not annealed	250	--	°C	ISO 75-2/A
Melting Temperature (DSC)	260	--	°C	ISO 3146
Flammability	Dry	Conditioned		Test Method
Flame Rating	HB	--		UL 94
NOTE				
1.	Saturation			

2.	2.0 mm/min
3.	2.0 mm/min

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Recommended distributors for this material

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