

Radilon® S BMV150K 333 NER 2578

Polyamide 6

Radici Plastics

Message:

PA6 15% glass fiber reinforced, high viscosity blow moulding grade. Toughened, heat stabilized. Black colour.
Suitable for blow-moulding of tubes and containers; typically used for automotive air pipes, including turbo air ducts.
ISO 1043 : PA6-T GF15

General Information				
Filler / Reinforcement		Glass Fiber,15% Filler by Weight		
Additive		Heat Stabilizer		
Features		Good Toughness		
		Heat Stabilized		
		High Viscosity		
Uses		Automotive Applications		
		Blow Molding Applications		
		Piping		
RoHS Compliance		RoHS Compliant		
Appearance		Black		
Processing Method		Extrusion		
		Injection Molding		
Resin ID (ISO 1043)		PA6-T GF15		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.20	--	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/5.0 kg)	5.0	--	g/10 min	ISO 1133
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5200	--	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	95.0	--	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.8	--	%	ISO 527-2/1A/5
Flexural Modulus ¹	4000	--	MPa	ISO 178
Flexural Stress ²	135	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	6.0	--	kJ/m ²	
23°C	10	--	kJ/m ²	
Charpy Unnotched Impact Strength (23°C)	65	--	kJ/m ²	ISO 179/1eU

Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	140	--	°C	ISO 75-2/Af
Melting Temperature ³	220	--	°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
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 mm)	HB	--		UL 94
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	0.15		%	
Processing (Melt) Temp	250 to 280		°C	
Mold Temperature	70.0 to 80.0		°C	
Injection Rate	Moderate			
Extrusion	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	2.0 to 4.0		hr	
Suggested Max Moisture	0.15		%	
Melt Temperature	250 to 280		°C	
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			
3.	10°C/min			

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