

Radilon® S BMX200K 333 NER

Polyamide 6

Radici Plastics

Message:

PA6 high viscosity blow moulding grade. Toughened, heat stabilized. Black colour.

Suitable for blow-moulding of tubes and containers; typically used for automotive air ducts.

ISO 1043 : PA6-HIT

General Information				
Additive	Heat Stabilizer			
Features	Good Toughness			
	Heat Stabilized			
	High Viscosity			
Uses	Automotive Applications			
	Blow Molding Applications			
	Containers			
	Tubing			
RoHS Compliance	RoHS Compliant			
Appearance	Black			
Processing Method	Extrusion			
	Injection Molding			
Resin ID (ISO 1043)	PA6-HIT			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.07	--	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/5.0 kg)	3.0	--	g/10 min	ISO 1133
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1700	--	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	45.0	--	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	15	--	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	> 100	--	%	ISO 527-2/1A/50
Flexural Modulus ¹	1500	--	MPa	ISO 178
Flexural Stress ²	60.0	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	25	--	kJ/m ²	
23°C	90	--	kJ/m ²	

Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	55.0	--	°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
Burning Rate	< 30	--	mm/min	FMVSS 302
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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