

MBA ABS 4124

Acrylonitrile Butadiene Styrene

MBA Polymers

Message:

A post-consumer recycled acrylonitrile-butadiene-styrene copolymer for general use. Available in standard black (reference 90/04).

General Information			
Recycled Content	Yes		
Features	Copolymer		
Uses	General Purpose		
Appearance	Black		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	Internal Method
Melt Mass-Flow Rate (MFR)			ISO 1133
220°C/10.0 kg	22	g/10 min	
230°C/3.8 kg	6.0	g/10 min	

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	40.0	MPa	ISO 527-2/50
Flexural Modulus (23°C)	2200	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	10	kJ/m²	ISO 180/1A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	104	°C	ISO 306/A50
--	95.0	°C	ISO 306/B50

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.050 to 0.10	%
Processing (Melt) Temp	200 to 230	°C
Mold Temperature	40.0 to 60.0	°C

Extrusion	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 to 4.0	hr

Suggested Max Moisture	0.050 to 0.10	%
Melt Temperature	200 to 220	°C

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