

MBA ABS 4134 90/05

Acrylonitrile Butadiene Styrene
MBA Polymers Austria Kunststoffverarbeitung GmbH

Message:
An easy flowing, post-consumer recycled acrylonitrile-butadiene-styrene copolymer for general use. Available in deep black (reference 90/05).

General Information			
Recycled Content	Yes		
Features	Copolymer		
	Good liquidity		
	General		
Uses	General		
Appearance	Black		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		

Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	Internal method
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	22	g/10 min	ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2400	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	39.0	MPa	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2350	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.5	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	11	kJ/m ²	ISO 180/1A

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	91.0	°C	ISO 306/B50

Injection	Nominal Value	Unit
Drying Temperature	80	°C
Drying Time	3.0 - 4.0	hr
Suggested Max Moisture	0.050 - 0.10	%
Processing (Melt) Temp	210 - 250	°C
Mold Temperature	40 - 60	°C

Extrusion	Nominal Value	Unit
Drying Temperature	80	°C
Drying Time	3.0 - 4.0	hr

Suggested Max Moisture	0.050 - 0.10	%
Melt Temperature	200 - 220	°C
NOTE		
1.	2.0 mm/min	

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