

MBA PS 3124

High Impact Polystyrene

MBA Polymers Austria Kunststoffverarbeitung GmbH

Message:

A post-consumer recycled polystyrene for applications requiring increased impact strength. Available in standard grey (reference 70/15) and standard black (reference 90/04).

General Information	
Recycled Content	Yes
Features	Impact resistance, good
Appearance	Black
	Grey
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	Internal method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2250	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	25.0	MPa	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	10	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	85.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	70	°C	
Drying Time	1.0 - 2.0	hr	
Suggested Max Moisture	0.050 - 0.10	%	
Processing (Melt) Temp	190 - 230	°C	
Mold Temperature	20 - 60	°C	
Extrusion	Nominal Value	Unit	
Drying Temperature	70	°C	
Drying Time	1.0 - 2.0	hr	
Suggested Max Moisture	0.050 - 0.10	%	
Melt Temperature	180 - 210	°C	

NOTE

1. 2.0 mm/min

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Recommended distributors for this material

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