MBA PS 3124 90/05

General Purpose Polystyrene

MBA Polymers

Message:

A post-consumer recycled polystyrene for applications requiring increased impact strength. Available in deep black (reference 90/05).

General Information	
Recycled Content	Yes
Features	Good Impact Resistance
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) (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 (23°C)	2150	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	11	kJ/m²	ISO 179/1eA
Notched Izod Impact Strength (23°C)	11	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	85.0	°C	ISO 306/B50
Injection	**Nominal Value**	**Unit**	
Drying Temperature	70.0	°C	
Drying Time	1.0 to 2.0	hr	
Suggested Max Moisture	0.050 to 0.10	%	
Processing (Melt) Temp	190 to 230	°C	
Mold Temperature	20.0 to 60.0	°C	
Extrusion	**Nominal Value**	**Unit**	
Drying Temperature	70.0	°C	
Drying Time	1.0 to 2.0	hr	
Suggested Max Moisture	0.050 to 0.10	%	
Melt Temperature	180 to 210	°C	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China