

PS 3132

PS

MBA Polymers

A post-consumer recycled impact modified polystyrene for general use, derived from high impact polystyrene refrigerator linings. Complies with BS EN 71-3:2013+A3:2018, 'Safety of Toys' Category III-Scraped-off materials.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	6	g/10min	ISO 1133
MFI temperature	200	°C	-
MFI load	5	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Yield stress	21	MPa	ISO 527
Flexural Modulus (23°C)	1800	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	5.5	kJ/m ²	ISO 180/1A

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1050	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	1 - 2	h	-
Melt temperature	190 - 240	°C	-
Mold temperature	20 - 80	°C	-

Characteristics

Processing

Injection Molding

Certifications

Recycled Resin Content

Special Characteristics

Impact modified

Applications

General Purpose

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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