

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