Technical Data Sheet

PS 3524 EvoSource™

Description

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

Material Properties

	Value	Unit	Test Method
Physical			
Density	1,05	g/m^3	internal method
Rehological			
Melt Flow Rate (230°C / 2,16kg)	7	g/10 min	ISO 1133
Mechanical			
Tensile Modulus (23°C)	2150	MPa	ISO 527/2-1
Tensile Stress at Yield (23°C)	23	MPa	ISO 527-2/50
Flexural Modulus (23°C)	2100	MPa	ISO 178/2
Impact			
Izod Impact Strength, notched (23°C)	9	kJ/m^2	ISO 180/1A
Charpy Impact Strenght, notched (23°C)	9	kJ/m^2	ISO 179/1eA
Thermal			
Vicat Softening Temperture	88	°C	ISO 306/B50
UL Rating			
Flammability rating (1,5-2,8mm)	HB		UL 94 HB

Note:

The data above is provided in good faith and represents typical properties based on our current knowledge and experience. Product properties may be changed without notice. These properties are provided as a guide and should not be construed as binding specification limits or minimum values. This document does not create any liability, warranty or guarantee of product performance. It is the buyer´s responsibility to determine the suitability of MBA Polymers products for the intended application. We DO NOT recommend our materials for toys or for applications that involve food contact or human oral contact or for medical applications.

MBA Polymers Germany GmbH
Mauna 1c
01665 Mauna (Meißen)
Germany
www.mbapolymers.com

Contact Information
Tel.: +49 35244 497663
Email.: info@mbapolymers.com

PS 3524 EvoSource™

Processing Information		
	Value	**Unit**
Preprocessing		
Drying Temperature	70	°C
Drying Time	1-2	hr
Moisture Content	<0.05-0.10	%
Injection Molding		
Melt Temperature Range	190-230	°C
Recommended Melt Temperature	220	°C
Mold Temperature	20-60	°C
Recommended Mold Temperature	40	°C
Recomended Screw Back Pressure	100-200	bar
Extrusion		
Melt Temperature Range	180-210	°C
Recommended Melt Temperature	200	°C

Note:

The processing parameters listed above are general guidelines based on our current knowledge and experience. The suitability of the data for specific processing method can only be ensured with investigations and tests by the end user.

MBA Polymers Germany GmbH
Mauna 1c
01665 Mauna (Meißen)
Germany
www.mbapolymers.com

Contact Information
Tel.: +49 35244 497663
Email.: info@mbapolymers.com