Technical Data Sheet

PP 2143

Description

A post-consumer recycled polypropylene copolymer with enhanced flow properties for general use. Available in standard black (reference 90/04).

Material Properties

	Value	Unit	Test Method
Physical			
Density	0.94	g/cm^3	MBA Method
Rheological			
Melt Flow Rate (230°C / 2.16 kg)	14	g/10 min	ISO 1133
Mechanical			
Tensile Modulus	1100	MPa	ISO 527
Tensile Stress at Yield (23°C)	20	MPa	ISO 527
Tensile Strain at Yield (23°C)	4.5	%	ISO 527
Tensile Stress at Break (23°C)	tbd	MPa	ISO 527
Tensile Strain at Break (23°C)	15	%	ISO 527
Flexural Modulus (23°C)	900	MPa	ISO 178
Impact			
Notched Izod Impact Strength (23°C)	10	kJ/m^2	ISO 180/1A
Notched Charpy Impact Strength (23°C)	tbd	kJ/m^2	ISO 179
Un0Notched Charpy Impact Strength (23°C)	tbd	kJ/m^2	ISO 179

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.

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Processing Information

	Value	Unit
Preprocessing		
Drying Temperature	80	°C
Drying Time	1-2	hr
Moisture Content	<0.05-0.10	%
Injection Moulding		
Melt Temperature Range	190-220	°C
Recommended Melt Temperature	200	°C
Mould Temperature Range	30-60	°C
Recommended Mould Temperature	40	°C
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 a specific processing method can only be ensured with investigations and tests by the end user.