

### Description

This is a recycled PCABS from post-consumer sources and modified for technical applications demanding improved properties:

- Increased heat deflection temperature
- Improved cold impact behaviour
- Improved non-flammability
- Increased notched impact strength

### Material Properties

	Value	Unit	Norm
<b>Physical</b>			
Density	1,17	g/cm <sup>3</sup>	Internal method
<b>Rheological</b>			
Melt flow rate (240°C / 5.0 kg)	20	g/10 min	ISO 1133
<b>Mechanical</b>			
Tensile modulus (23°C)	2300	MPa	ISO 527-2/1
Tensile strength (23°C)	50	MPa	ISO 527-2/50
Charpy unnotched (23°C)	100	kJ/m <sup>2</sup>	ISO 179
Izod unnotched (23°C)	100	kJ/m <sup>2</sup>	ISO 180
Charpy notched (23°C)	20	kJ/m <sup>2</sup>	ISO 179/A
Izod notched (23°C)	20	kJ/m <sup>2</sup>	ISO 180/A
Charpy unnotched (-30°C)	70	kJ/m <sup>2</sup>	ISO 179
Charpy notched (-30°C)	10	kJ/m <sup>2</sup>	ISO 179/A
<b>Thermal</b>			
Vicat softening point	115	°C	ISO 306/A50
<b>Flamability</b>			
Measured Flammability Rating, 1.5 mm	HB		UL94HB
<b>Dimensional stability</b>			
Shrinkage at production	0,53	%	ISO 294-4
Shrinkage 48 h after production	0,58	%	ISO 294-4

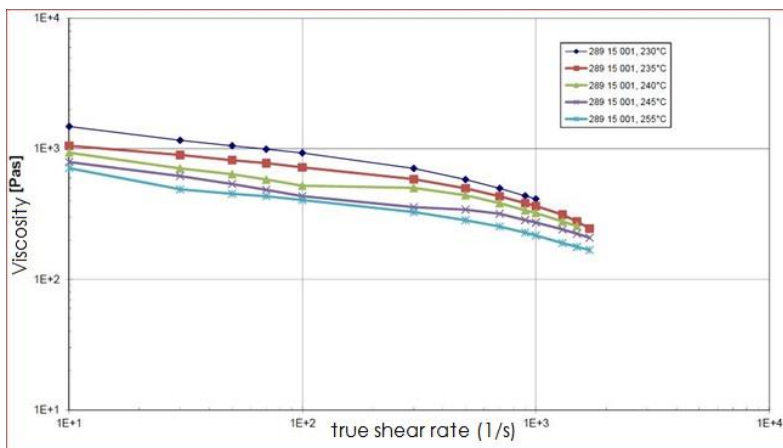
Note:

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.

**Process information**

	Value	Unit
<b>Preprocessing</b>		
Pre drying temperature	100	°C
Pre drying time	4	h
Max. humidity for molding application	0,02	%
<b>Extrusion</b>		
Recommended melt temperature	245	°C
<b>Molding</b>		
Recommended melt temperature	245	°C
Melt Temperature Range	240 - 250	°C
Recommended Deforming Mold Temperature	100	°C

**Viscosity**



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.