

### Description

An easy-flowing, post-consumer recycled acrylonitrile-butadiene-styrene copolymer for general applications. Available in standard grey (reference 70/15) and standard black (90/04).

### Material properties

	Value	Unit	Test Method
<b>Physical</b>			
Density	1,05	g/m <sup>3</sup>	Internal Method
<b>Rheologic</b>			
Melt flow rate (220°C / 10.0kg)	29	g/10 min	ISO 1133
<b>Mechanical</b>			
Tensile modulus (23°C)	2150	Mpa	ISO 527/2-1
Tensile stress at yield (23°C)	43	Mpa	ISO 527-2/50
Flexural modulus (23°C)	2160	Mpa	ISO 178/2
<b>Impact resistance</b>			
Izod Impact strength, Notched (23°C)	13	kJ/m <sup>2</sup>	ISO 180/1A
Charpy Impact strength, Notched (23°C)	12	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal</b>			
Vicat Softening Temperature	94	°C	ISO 306/B50

#### Note:

The above data represent typical characteristics based on our current knowledge and experience. They are to be understood as limit values or minimum values. Product features are subject to change without notice. This document does not create any liability, warranty or guarantee for product characteristics. It is the responsibility of the buyer to assess the suitability of MBA Polymers products for the intended application. We do NOT recommend our materials for toys or medical products, or for applications that involve contact with food or oral contact in humans.

Process information

	Value	Unit
<b>Pretreatment</b>		
Drying temperature	80	°C
Drying time	3-4	Mr
Moisture content	<0.05-0.10	%
<b>Injection molding</b>		
Melt temperature range	210-250	°C
Recommended temperature	240	°C
Mold temperature	40-60	°C
Recommended moldtemperature	50	°C
<b>Extrusion</b>		
Melt temperature range	200-220	°C
Recommended melt temperature	215	°C

**Note:**

The above processing recommendations and process parameters are based on our knowledge and experience. It is the customer's responsibility to substantially comply with the recommended parameters.