

Description

An easy-flowing, post-consumer recycled acrylonitrile-butadiene-styrene copolymer for general applications. Available in white (reference 90/02), standard grey (reference 70/15), light grey (reference 70/35) and standard black (90/04).

Material properties

	Value	Unit	Test Method
Physical			
Density	1,05	g/m ³	Internal Method
Rheologic			
Melt flow rate (220°C / 10kg)	29	g/10 min	ISO 1133
Mechanical			
Tensile modulus (23°C)	2100	Mpa	ISO 527/2-1
Tensile stress at yield (23°C)	40	Mpa	ISO 527-2/50
Flexural modulus (23°C)	2100	Mpa	ISO 178/2
Impact resistance			
Izod Impact strength, Notched (23°C)	10	kJ/m ²	ISO 180/1A
Charpy Impact strength, Notched (23°C)	11	kJ/m ²	ISO 179/1eA
Thermal			
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
Pretreatment		
Drying temperature	80	°C
Drying time	3-4	Mr
Moisture content	<0.05-0.10	%
Injection molding		
Melt temperature range	210-250	°C
Recommended temperature	240	°C
Mold temperature	40-60	°C
Recommended moldtemperature	50	°C
Extrusion		
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.