



SABIC® PP 108MF10

PP super high impact for Automotive injection moulding

Description:

SABIC® PP 108MF10 is a super high impact copolymer which exhibits an unmatched cold impact resistance, high flow and excellent paint adhesion characteristics. Because of this unique and well balanced property profile our customers commonly use this material for painted car bumpers.

SABIC® PP 108MF10 is a designated automotive grade.

IMDS ID: 80775790

Typical values

Revision 20140109

Properties	Unit (Si)	Values	Test methods
Polymer properties			
Melt flow rate (MFR) at 230 °C and 2.16 kg	dg/min	10	ISO 1133
Density	kg/m ³	905	ISO 1183
Mould shrinkage ¹⁾ 24 hours after injection moulding	%	1.5	SABIC method
Formulation			
Anti static agent	-	No	-
Nucleating agent	-	Yes	-
Mechanical properties			
Tensile test			ISO 527-2 1A
stress at yield ²⁾	MPa	19	
strain at yield ²⁾	%	8	
tensile modulus ³⁾	MPa	1000	
Izod impact notched			ISO 180/1A
at 23 °C	kJ/m ²	No Break	
at 0 °C	kJ/m ²	No Break	
at -20 °C	kJ/m ²	35	
Charpy impact notched			ISO 179/1eA
at 23 °C	kJ/m ²	No Break	
at 0 °C	kJ/m ²	No Break	
Charpy impact unnotched			ISO 179/1eU
at 23 °C	kJ/m ²	No Break	
Hardness Shore D	-	52	ISO 868
Thermal properties			
Vicat softening temperature ⁴⁾			ISO 306
at 10 N (VST/A)	°C	130	
at 50 N (VST/B)	°C	50	

1) All measurements on injection molded samples.

2) Speed of testing: 50 mm/min

3) Speed of testing: 1 mm/min

4) Temperature rate: 120°C/h



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Quality:

SABIC Europe is fully certified in accordance with the internationally accepted quality standard ISO9001.

Storage and handling:

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and /or high humidity as this could well speed up alteration and consequently loss of quality of the material and /or its packaging. Keep material completely dry for good processing.

Disclaimer. The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

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