



SABIC® PP 86MF97

PP super high impact for Automotive injection moulding

Description:

SABIC® PP 86MF97 is a grade which is characterised by an optimum combination of stiffness, impact resistance and flow. It is highly UV-stabilised, and therefore commonly used for exterior applications such as car bumpers.

SABIC® PP 86MF97 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	g/10 min	4.6	ASTM D 1238
Density	kg/m ³	905	ASTM D 792 SABIC method
Mould shrinkage 24 hours after injection moulding ¹⁾	%	1.6	
Formulation			
UV stabilized	-	Yes	-
Anti static agent	-	No	-
Nucleating agent	-	No	-
Mechanical properties			
Tensile test secant modulus at 1% elongation ²⁾	MPa	1050	ASTM D 638
Izod impact notched at 23 °C	J/m	No Break	ASTM D 256A
at 0 °C	J/m	No Break	
at -20 °C	J/m	85	
Thermal properties			
Vicat softening temperature ³⁾	°C	143	ASTM D 1525
at 10 N (VST/A)	°C	62	
at 50 N (VST/B)			

1) All measurements on injection molded samples.

2) Speed of testing: 5 mm/min

3) 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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