



SABIC® PP 90910

PP super high impact for Automotive injection moulding

Description:

SABIC® PP 90910 is a reactor-elastomer-modified material which offers a good cold impact resistance in combination with high flow. It is a highly attractive alternative to non-filled compounds and is typically used for painted car bumpers and exterior trim.

SABIC® PP 90910 is a designated automotive grade.

IMDS ID: 80775790

Typical values

Revision 20130614

Properties	Unit (Si)	Values	Test methods
Polymer properties			
Melt flow rate (MFR) at 230 °C and 2.16 kg	g/10 min	22	ASTM D 1238
Density	kg/m ³	900	ASTM D 792 SABIC method
Mould shrinkage 24 hours after injection moulding ¹⁾	%	1.6	
Formulation			
Anti static agent	-	No	-
Nucleating agent	-	Yes	-
Mechanical properties			
Tensile test			ASTM D 638
stress at yield ²⁾	MPa	18	
strain at yield ²⁾	%	8	
secant modulus at 1% elongation ³⁾	MPa	950	
Izod impact notched			ASTM D 256A
at 23 °C	J/m	No Break	
at 0 °C	J/m	No Break	
at -20 °C	J/m	200	
Thermal properties			
Vicat softening temperature ⁴⁾			ASTM D 1525
at 10 N (VST/A)	°C	125	
at 50 N (VST/B)	°C	49	

1) All measurements on injection molded samples.

2) Speed of testing: 50 mm/min

3) Speed of testing: 5 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.

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