



SABIC® PP CX03-82

PP high crystallinity for Automotive injection moulding

Description:

SABIC® PP CX03-82 is an emission optimised high crystalline copolymer. It offers high impact resistance, in perfect balance with high thermal dimensional stability, stiffness and flow. This for automotive interior applications UV-stabilised material has excellent aesthetic properties as well. It is the obvious alternative to conventional talc-filled copolymers, offering considerable weight saving advantage.

SABIC® PP CX03-82 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	10	ASTM D 1238
Density	kg/m ³	905	ASTM D 792 SABIC method
Mould shrinkage 24 hours after injection moulding	%	1.6	VDA 277
Emission	µg C/g	<50	
Formulation			
UV stabilized	-	Yes	-
Anti static agent	-	No	-
Nucleating agent	-	Yes	-
Mechanical properties			
Tensile test			ASTM D 638
stress at yield	MPa	22	
strain at yield	%	6	
secant modulus at 1% elongation	MPa	1300	
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	90	
Thermal properties			
Vicat softening temperature			ASTM D 1525
at 10 N (VST/A)	°C	145	
at 50 N (VST/B)	°C	66	

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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