



SABIC® PP 56M10

PP block copolymer for Injection moulding

Description:

This multi-purpose grade has a high impact resistance, even at low temperatures, and a high stiffness. It is used in a variety of applications e.g. pails, containers, crates, boxes etc. It is also used in all kinds of automotive components, in particular battery cases.

Health, Safety and Food Contact regulations:

Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site <http://www.SABIC-europe.com>

Typical values

Properties	Unit (Si)	Values	Test methods
Polymer properties			
Melt flow rate (MFR) at 230 °C and 2.16 kg at 230 °C and 5 kg	g/10 min g/10 min	6.2 27	ISO 1133
Density	kg/m ³	905	ISO 1183
Mechanical properties			
Tensile test stress at yield stress at break strain at break	MPa MPa %	29 35 600	ISO 527
Flexural test Flexural modulus	MPa	1550	ASTM D 790
Izod impact notched at 23 °C at 0 °C at -20 °C	kJ/m ² kJ/m ² kJ/m ²	10 5.0 4.0	ISO 180/4A
Charpy impact notched at 23 °C at 0 °C at -20 °C	kJ/m ² kJ/m ² kJ/m ²	10 5.0 3.0	ISO 179
Hardness Shore D	-	68	ISO 868
Thermal properties			
Heat deflection temperature at 1.80 MPa (HDT/A) at 0.45 MPa (HDT/B)	°C °C	53 89	ISO 75/A ISO 75/B
Vicat softening temperature at 10 N (VST/A) at 50 N (VST/B)	°C °C	147 77	ISO 306/A ISO 306/B

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