



SABIC® PP 48M40

PP block copolymer for Injection moulding

Description:

This multi-purpose grade has very good flow characteristics, high stiffness and good impact strength. It is formulated with a combined processing and antistatic additive package. It is suitable for thin-walled articles and components with highly complex shapes, such as thin-walled boxes, lids, closures other packaging articles, household articles and components for the automotive and electro-technical industries. This grade is also available in a general purpose additive package.

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

Revision 20080327

Properties	Unit (Si)	Values	Test methods
Polymer properties			
Melt flow rate (MFR) at 230 °C and 2.16 kg	g/10 min	15	ISO 1133
Density	kg/m ³	905	ISO 1183
Mechanical properties			
Tensile test			ISO 527
stress at yield	MPa	29	
stress at break	MPa	20	
strain at break	%	300	
Flexural test			ASTM D 790
Flexural modulus	MPa	1650	
Izod impact notched			ISO 180/4A
at 23 °C	kJ/m ²	7.0	
at 0 °C	kJ/m ²	4.5	
at -20 °C	kJ/m ²	3.5	
Charpy impact notched			ISO 179
at 23 °C	kJ/m ²	7.0	
at 0 °C	kJ/m ²	4.0	
at -20 °C	kJ/m ²	2.5	
Hardness Shore D	-	70	ISO 868
Thermal properties			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	°C	56	ISO 75/A
at 0.45 MPa (HDT/B)	°C	88	ISO 75/B
Vicat softening temperature			
at 10 N (VST/A)	°C	147	ISO 306/A
at 50 N (VST/B)	°C	79	ISO 306/B

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