

SABIC® PP 71EK71PS

PP block copolymer for Pipe extrusion

Description:

This polypropylene block copolymer has a high molecular weight with a long-term heat stabilisation package. It exhibits high stiffness in combination with outstanding impact strength even at low temperatures. This material is particularly suitable for sewage pipe applications and can also be used for blow-moulding and sheet extrusion.

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 20050607

Properties	Unit (Si)	Values	Test methods
Polymer properties			
Melt flow rate (MFR) at 230 °C and 2.16 kg	g/10 min	0.3	ISO 1133
Density	kg/m ³	905	ISO 1183
Mechanical properties			
Tensile test			ISO 527
stress at yield	MPa	35	
stress at break	MPa	39	
strain at break	%	>500	
Flexural test			ASTM D 790
Flexural modulus	MPa	1500	
Izod impact notched			ISO 180/4A
at 23 °C	kJ/m ²	No Break	
at 0 °C	kJ/m ²	9.0	
at -20 °C	kJ/m ²	5.0	
Charpy impact notched			ISO 179
at 23 °C	kJ/m ²	70	
at 0 °C	kJ/m ²	-	
at -20 °C	kJ/m ²	7.2	
Thermal properties			
Heat deflection temperature at 0.45 MPa (HDT/B)	°C	94	ISO 75/B
Vicat softening temperature at 10 N (VST/A)	°C	155	ISO 306/A
at 50 N (VST/B)	°C	-	ISO 306/B

All information supplied by or on behalf of any of the SABIC Europe companies in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but the relevant SABIC Europe company assumes no liability whatsoever in respect of application, processing or use made of the afore-mentioned information or products, or any consequence thereof. The user undertakes all liability in respect of the application, processing or use of the afore-mentioned information or product, whose quality and other properties he shall verify, or any consequence thereof. No liability whatsoever shall attach to any of the SABIC Europe companies for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the afore-mentioned information or products by the user.