



SABIC® PP REX14077 Provisional

PP random copolymer for Injection moulding

Description:

SABIC® PP REX14077 is a polypropylene random copolymer grade with medium melt flow intended for producing injection-moulded articles of high clarity. This product is formulated with an additive package, which enables a reduced cooling time in combination with high demoulding temperature. Products from SABIC® PP REX14077 have a very high clarity and a good impact strength-stiffness balance.

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>

The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/ medical applications.

Typical values

Revision 20140213

Properties	Unit (Si)	Values	Test methods
Polymer properties			
Melt flow rate (MFR) at 230 °C and 2.16 kg	dg/min	20	ISO 1133
Density	kg/m³	905	ISO 1183
Formulation			
Anti static agent	-	Yes	-
Clarified	-	Yes	-
Mechanical properties			
Tensile test			
stress at yield	MPa	27	ISO 527-2 1A
strain at yield	%	14	
tensile modulus	MPa	1050	
Izod impact notched at 23 °C	kJ/m²	5.0	ISO 180/1A
Charpy impact notched at 23 °C	kJ/m²	6.0	ISO 179/1eA
Hardness Shore D	-	63	ISO 868
Thermal properties			
Heat deflection temperature at 1.80 MPa (HDT/A)	°C	50	ISO 75
at 0.45 MPa (HDT/B)	°C	75	
Vicat softening temperature at 10 N (VST/A)	°C	126	ISO 306
at 50 N (VST/B)	°C	68	