



SABIC® PP 578L

PP homopolymer for Injection moulding

Description:

SABIC® PP 578L is a PP homopolymer grade which contains a well balanced antistatic and slip agent package. This grade allows for cost efficient processing on the basis of good flow behavior, short cycle times, good demoulding and robust processing behaviour. Products made from SABIC® PP 578L typically have low warpage, high stiffness in combination with moderate impact strength at room temperature, good antistatic behavior and a high gloss.

Application:

SABIC® PP 578L is typically used in caps & closures and thin wall packaging both in food and non-food segments.

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.

This grade material is UL registered under File E111275 (www.ul.com) / IMDS 7172624

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	25	ASTM D 1238
Density	kg/m³	905	ASTM D 792
Formulation			
Slip agent	-	Yes	-
Anti static agent	-	Yes	-
Nucleating agent	-	No	-
Mechanical properties			
Tensile test			ASTM D 638
stress at yield ¹⁾	MPa	37	
strain at yield ¹⁾	%	9	
secant modulus at 1% elongation ²⁾	MPa	1800	
Izod impact notched at 23 °C	J/m	25	ASTM D 256A
Rockwell hardness R-scale	-	113	ASTM D 785
Thermal properties			
Heat deflection temperature at 1.80 MPa (HDT/A)	°C	60	ASTM D 648
at 0.45 MPa (HDT/B)	°C	95	
Vicat softening temperature ³⁾ at 10 N (VST/A)	°C	153	ASTM D 1525
at 50 N (VST/B)	°C	95	

1) Speed of testing: 50 mm/min

2) Speed of testing: 1 mm/min

3) 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.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

SABIC as referred to herein means any legal entity belonging to the group of companies headed by SABIC Europe B.V.