

SABIC® PP 578L

PP HOMOPOLYMER

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.

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 PROPERTY VALUES

Revision 20220411

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	25	dg/min	ISO 1133
Density	905	kg/m³	ASTM D1505
FORMULATION			
Slip agent	☒	-	-
Anti static agent	☒	-	-
Nucleating agent	☐	-	-
MECHANICAL PROPERTIES			
Tensile test			
tensile modulus ⁽¹⁾	1700	MPa	ISO 527-2 1A
strain at yield ⁽²⁾	9	%	ISO 527-2 1A
stress at yield	36	MPa	ISO 527-2 1A
Izod impact notched			
at 23 °C	3.0	kJ/m²	ISO 180/1A
Charpy Impact Strength Notched			
at 23 °C	4.0	kJ/m²	ISO 179/1eA
Hardness Shore D	69	-	ISO 868
THERMAL PROPERTIES			
Heat deflection temperature ⁽³⁾			
at 0.45 MPa (HDT/B)	90	°C	ISO 75
at 1.80 MPa (HDT/A)	55	°C	ISO 75
Vicat Softening Temperature ⁽⁴⁾			
at 50 N (VST/B)	95	°C	ISO 306
at 10 N (VST/A)	153	°C	ISO 306

(1) Speed of testing: 1 mm/min

(2) Speed of testing: 50 mm/min

(3) Flat wise (testbar 80*10*4mm)

(4) Temperature rate: 120°C/h

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CHEMISTRY THAT MATTERS™



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.

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