

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.

Health, Safety and Food Contact regulations: Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site

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

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230 °C and 2.16 kg	25	dg/min	ISO 1133
Density	905	kg/m ³	ASTM D1505
FORMULATION			
Slip agent	<input checked="" type="checkbox"/>	-	-
Anti static agent	<input checked="" type="checkbox"/>	-	-
Nucleating agent	<input type="checkbox"/>	-	-
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/m ²	ISO 180/1A
Charpy Impact Strength Notched			
at 23 °C	4.0	kJ/m ²	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