



SABIC[®] PP 505P

PP HOMOPOLYMER

DESCRIPTION

SABIC[®] PP 505P is a low mfi grade typically used in extrusion applications like sheet and thermoforming.

Application: SABIC[®] PP 505P is typically used in dairy, flower pots, yellow fats and disposables plates and cups. However, customers use this grade also in combination with fillers like Talc and CaCO₃.

Health, Safety and Food Contact regulations: Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site <http://www.SABIC.com>

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

TYPICAL PROPERTY VALUES

Revision 20190727

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230 °C and 2.16 kg	2.0	dg/min	ISO 1133
Density	905	kg/m ³	ASTM D1505
Molecular Weight Distribution	Broad	-	-
Isotacticity	Medium	-	-
FORMULATION			
Anti static agent	<input type="checkbox"/>	-	-
Nucleating agent	<input type="checkbox"/>	-	-
Gas fading stabilized	<input type="checkbox"/>	-	SABIC method
MECHANICAL PROPERTIES			
Tensile test			
strain at yield ⁽¹⁾	10	%	ISO 527-2 1A
stress at yield	37	MPa	ISO 527-2 1A
tensile modulus ⁽²⁾	1500	MPa	ISO 527-2 1A
Izod impact notched			
at 23 °C	3.5	kJ/m ²	ISO 180/1A
Charpy Impact Strength Notched			
at 23 °C	4.5	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
Heat deflection temperature ⁽³⁾			
at 0.45 MPa (HDT/B)	85	°C	ISO 75
at 1.80 MPa (HDT/A)	55	°C	ISO 75
Vicat Softening Temperature ⁽⁴⁾			
at 10 N (VST/A)	152	°C	ISO 306
at 50 N (VST/B)	88	°C	ISO 306



- (1) Speed of testing: 50 mm/min
- (2) Speed of testing: 1 mm/min
- (3) Flat wise (testbar 80*10*4mm)
- (4) Temperature rate: 120°C/h

QUALITY

SABIC Europe is fully certified in accordance with the internationally accepted quality standard ISO9001.

DISCLAIMER

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