



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.

TYPICAL PROPERTY VALUES

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	☐	-	-
Nucleating agent	☐	-	-
Gas fading stabilized	☐	-	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