

SABIC® PP 520P

PP HOMOPOLYMER

DESCRIPTION

SABIC® PP 520P is typically used by our customers for extrusion of cast film, both mono layer films and co extruded films. It provides an excellent combination of transparency, stiffness and high heat resistance.

Application: SABIC® PP 520P is typically used for food packaging, lamination film, stationary film, textile packaging, flower packaging, and hygiene packaging. It offers excellent properties for twist film application. Health, Safety and Food Contact regulations: SABIC® PP 520P has a Food Contact

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	10.5	dg/min	ISO 1133
Density	905	kg/m³	ASTM D1505
Molecular Weight Distribution	Broad	-	-
Isotacticity	Medium	-	-
FORMULATION			
Anti block agent	<input type="checkbox"/>	-	-
Slip 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
THERMAL PROPERTIES			
Vicat Softening Temperature ⁽³⁾			
at 10 N (VST/A)	154	°C	ISO 306
at 50 N (VST/B)	95	°C	ISO 306

(1) Speed of testing: 1 mm/min

(2) Speed of testing: 50 mm/min

(3) Temperature rate: 120°C/h

