SABIC® PP 525P

PP HOMOPOLYMER

DESCRIPTION

SABIC® PP 525P is particularly developed for (biaxially) oriented PP film extrusion with a very specific molecular structure providing the ultimate properties required for the stretching process.

Application:SABIC® PP 525P is typically used in mono layer or coextruded (B)OPP film. SABIC® PP 525P is known for its excellent metallisation behaviour.

Health, Safety and Food Contact regulations:
SABIC® PP 525P has a Food Contact Declaration. 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.

IMDS 7172624

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	3.0	dg/min	ISO 1133
Density	905	kg/m³	ASTM D1505
Molecular Weight Distribution	Broad	-	-
Isotacticity	Medium	-	-
FORMULATION			
Anti block agent	☐	-	-
Slip agent	☐	-	-
Anti static agent	☐	-	-
Nucleating agent	☐	-	-
MECHANICAL PROPERTIES			
Tensile test			
strain at yield	10	%	ISO 527-2 1A
tensile modulus (1)	1550	MPa	ISO 527-2 1A
stress at yield (2)	37	MPa	ISO 527-2 1A
Izod impact notched			
at 23 °C	3.5	kJ/m²	ISO 180/1A
Charpy Impact Strength Notched			
at 23 °C	4.5	kJ/m²	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: 1 mm/min
(2) Speed of testing: 50 mm/min
(3) Flat wise (testbar 80*10*4mm)
(4) Temperature rate: 120°C/h