

SABIC® PP 524P

POLYPROPYLENE HOMOPOLYMER

DESCRIPTION

SABIC® PP 524P is particularly developed for (biaxially) oriented PP film extrusion with a very specific molecular structure providing the ultimate properties required for the stretching process.

TYPICAL APPLICATIONS

SABIC® PP 524P is typically used in mono layer or coextruded (B)OPP film. SABIC® PP 524P is known for its excellent metallisation behaviour. It can also be used as base material for plain film used for stationary, food bags, synthetic paper and heat sealable packaging films.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	2.0	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"/>	-	-
Anti static agent	<input type="checkbox"/>	-	-
Nucleating agent	<input type="checkbox"/>	-	-
MECHANICAL PROPERTIES			
Tensile test			
strain at yield ⁽¹⁾	10	%	ISO 527-2 1A
tensile modulus ⁽²⁾	1500	MPa	ISO 527-2 1A
stress at yield	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			
at 0.45 MPa (HDT/B)	85	°C	ISO 75
at 1.80 MPa (HDT/A)	55	°C	ISO 75
Vicat Softening Temperature ⁽³⁾			
at 50 N (VST/B)	88	°C	ISO 306
at 10 N (VST/A)	152	°C	ISO 306

(1) Speed of testing: 50 mm/min

(2) Speed of testing: 1 mm/min

(3) Temperature rate: 120°C/h

