



SABIC® PP 520P

PP homopolymer for Cast film

Description:

SABIC® PP 520P is particularly designed 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. SABIC® PP 522L is the anti block and slip agent containing version of SABIC® PP 520P.

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 Declaration. SABIC Material Safety Data Sheets (MSDS) and Product Safety Declarations are available on our Internet site <http://www.sabic-europe.com>.

The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/ medical applications.

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

IMDS 7172624

Typical values

Revision 20140109

Properties	Unit (Si)	Values	Test methods
Polymer properties			
Melt flow rate (MFR) at 230 °C and 2.16 kg	g/10 min	10.5	ASTM D 1238
Density	kg/m³	905	ASTM D 792
Molecular Weight Distribution	-	Broad	-
Isotacticity	-	Medium	-
Formulation			
Anti block agent	-	No	-
Slip agent	-	No	-
Mechanical properties			
Tensile test			ASTM D 638
stress at yield ¹⁾	MPa	36	
strain at yield ¹⁾	%	9	
secant modulus at 1% elongation ²⁾	MPa	1800	
Thermal properties			
Vicat softening temperature ³⁾			ASTM D 1525
at 10 N (VST/A)	°C	154	
at 50 N (VST/B)	°C	95	

1) Speed of testing: 50 mm/min

2) Speed of testing: 1 mm/min

3) Temperature rate: 120°C/h



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Quality:

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

Storage and handling:

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and /or high humidity as this could well speed up alteration and consequently loss of quality of the material and /or its packaging. Keep material completely dry for good processing.

Disclaimer. The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

SABIC as referred to herein means any legal entity belonging to the group of companies headed by SABIC Europe B.V.