

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 Declaration. SABIC Material Safety Data Sheets (MSDS) and Product Safety Declarations are available on our Internet site <http://www.sabic.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 E1 11275 (www.ul.com)IMDS 7172624

TYPICAL PROPERTY VALUES

Revision 20260305

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	☐	-	-
Slip agent	☐	-	-
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

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

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.

© 2026 Copyright by SABIC. All rights reserved

CHEMISTRY THAT MATTERS™

