

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.sabik.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 PROPERTY VALUES

Revision 20220720

| 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/m ³ | 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

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.

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