



SABIC[®] PP 576P

PP HOMOPOLYMER

DESCRIPTION

SABIC[®] PP 576P is a PP homopolymer grade that has good flow properties and a narrow molecular weight distribution. Products made from SABIC[®] PP 576P typically have low warpage and a high gloss, high stiffness in combination with moderate impact strength at room temperature.

Application:

SABIC[®] PP 576P is typically used in caps & closures and thin wall packaging both in food and non-food segments.

TYPICAL PROPERTY VALUES

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|-------------------|--------------|
| POLYMER PROPERTIES | | | |
| Melt Flow Rate | | | |
| at 230 °C and 2.16 kg | 19 | dg/min | ISO 1133 |
| Density | 905 | kg/m ³ | ASTM D1505 |
| FORMULATION | | | |
| Anti static agent | □ | - | - |
| Nucleating agent | □ | - | - |
| MECHANICAL PROPERTIES | | | |
| Tensile test | | | |
| strain at yield ⁽¹⁾ | 9 | % | ISO 527-2 1A |
| tensile modulus ⁽²⁾ | 1800 | MPa | ISO 527-2 1A |
| stress at yield | 37 | MPa | ISO 527-2 1A |
| Izod impact notched | | | |
| at 23 °C | 3.0 | kJ/m ² | ISO 180/1A |
| Charpy Impact Strength Notched | | | |
| at 23 °C | 4.0 | kJ/m ² | ISO 179/1eA |
| Hardness Shore D | 71 | - | ISO 868 |
| THERMAL PROPERTIES | | | |
| Heat deflection temperature ⁽³⁾ | | | |
| at 1.80 MPa (HDT/A) | 60 | °C | ISO 75 |
| at 0.45 MPa (HDT/B) | 90 | °C | ISO 75 |
| Vicat Softening Temperature ⁽⁴⁾ | | | |
| at 50 N (VST/B) | 94 | °C | ISO 306 |
| at 10 N (VST/A) | 152 | °C | ISO 306 |