



SABIC® PP-UMS 561P

PP HOMOPOLYMER

DESCRIPTION

SABIC® PP-UMS 561P is an unique new Ultra Melt Strength resin in the market, with a melt strength of more than 65 cN and outstanding foam-ability. It can be used by all industry segments as a building block to develop new foaming solutions that enable an unprecedented level of light weighting.

As SABIC® PP-UMS 561P is a non stabilized PP, please evaluate whether your use of our product requires the addition of a stabilization package.

TYPICAL PROPERTY VALUES

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|-------------------|--------------|
| POLYMER PROPERTIES | | | |
| Melt Flow Rate (MFR) | | | |
| at 230 °C and 2.16 kg | 2.5 | dg/min | ISO 1133 |
| Density | 905 | kg/m ³ | ASTM D1505 |
| MECHANICAL PROPERTIES | | | |
| Tensile test | | | |
| tensile modulus ⁽¹⁾ | 1925 | MPa | ISO 527-2 1A |
| strain at break ⁽²⁾ | 15 | % | ISO 527-2 1A |
| Izod impact notched | | | |
| at 23 °C | 2.2 | kJ/m ² | ISO 180/1A |
| Melt Strength | ≥65 | cN | SABIC method |
| THERMAL PROPERTIES | | | |
| Heat deflection temperature ⁽³⁾ | | | |
| at 0.45 MPa (HDT/B) | 110 | °C | ISO 75 |

(1) Speed of testing: 1 mm/min

(2) Speed of testing: 50 mm/min

(3) Flat wise (testbar 80*10*4mm)

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. To avoid deterioration in quality, keep the material completely dry and process the material within 6 months after delivery.