# SABIC® PPCOMPOUND 3320EH

PP COMPOUND MINERAL FILLED

## DESCRIPTION

SABIC® PPcompound 3320EH is a high flow talcum filled Polypropylene. The stifness, low emission and heat aging performance make it suited for use in applications at elevated temperatures and emission requirements.

SABIC® PPcompound 3320EH is a designated automotive grade.

## TYPICAL PROPERTY VALUES

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|---|---|---|
| **POLYMER PROPERTIES** | | | |
| **Melt flow rate (MFR)** | | | |
| at 230 °C and 2.16 kg | 20 | dg/min | ISO 1133 |
| **Density** (1) | 1040 | kg/m³ | ISO 1183 |
| **Filler content** | 20 | % | SABIC method |
| **Mould shrinkage** (2) | | | |
| 24 hours after injection moulding | 1.1 | % | SABIC method |
| **MECHANICAL PROPERTIES** (1) | | | |
| **Tensile test** | | | |
| Tensile modulus | 2550 | MPa | ISO 527/1A |
| stress at yield | 30 | MPa | ISO 527/1A |
| stress at break | 25 | MPa | ISO 527/1A |
| strain at break | 15 | % | ISO 527/1A |
| **Flexural test** | | | |
| Flexural modulus | 2600 | MPa | ISO 178/1A |
| **Izod impact notched** (3) | | | |
| at 23 °C | 2.7 | kJ/m² | ISO 180/1A |
| at 0 °C | 2.2 | kJ/m² | ISO 180/1A |
| at -20 °C | - | kJ/m² | ISO 180/1A |
| **THERMAL PROPERTIES** (1) | | | |
| **Heat deflection temperature** | | | |
| at 0.45 MPa (HDT/B) | 120 | °C | ISO 75 |
| **Coeff. of linear thermal expansion** | | | |
| -30 °C to 100 °C | 70 | µm/mK | ISO 11359-2 |

(1) Injection molded sample ISO527-1A
(2) Injection molded plaque 65x65x3.2mm
(3) N.B.: No Break