

# Material

## 85 AU 20991

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### Physical properties

|                                                              | required   | actual |       |
|--------------------------------------------------------------|------------|--------|-------|
| <b>Density</b><br>DIN EN ISO 1183-1, 23 °C                   | 1.14 ±0.02 | 1.14   | g/cm³ |
| <b>Hardness</b><br>DIN ISO 7619-1, Shore A, 23 °C            | 86 ±4      | 86     | Shore |
| <b>Modulus</b><br>50 %, DIN 53504, S2, 23 °C                 | > 3        | 4.1    | MPa   |
| <b>Modulus</b><br>300 %, DIN 53504, S2, 23 °C                | > 10       | 12.5   | MPa   |
| <b>Tensile strength</b><br>DIN 53504, S2, 23 °C              | > 48       | 57     | MPa   |
| <b>Elongation at Break</b><br>DIN 53504, S2, 23 °C           | > 500      | 620    | %     |
| <b>Tear strength</b><br>DIN 53515, A, 23 °C                  | ---        | 60     | KN/m  |
| <b>Compression set</b><br>DIN ISO 815, B, 24 h, 70 °C, 15 %  | ---        | 39     | %     |
| <b>Compression set</b><br>DIN ISO 815, B, 70 h, 100 °C, 15 % | ---        | 62     | %     |
| <b>Low Temperature</b><br>ISO 11357-2, DSC                   | ---        | -50    | °C    |
| <b>Torsions pendulum test</b><br>DIN EN ISO 6721-2A          | ---        | -38    | °C    |

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**No ASTM D2000 properties available**

**Temperature-range: - 45 °C to + 90 °C**

The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufacturing process and the component geometry.

The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.