

# Material PE E083

white

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## Physical properties

### typical values

|                                                              |                |                   |
|--------------------------------------------------------------|----------------|-------------------|
| <b>Density</b><br>DIN EN ISO 1183-1, 23 °C                   | 0.93           | g/cm <sup>3</sup> |
| <b>Hardness</b><br>DIN EN ISO 868, Shore D                   | 61             | Shore             |
| <b>Ball indentation hardness</b><br>DIN EN ISO 2039-1, 23 °C | 35             | MPa               |
| <b>Tensile Stress at Yield</b><br>DIN EN ISO 527-2, 1 B      | ---            | MPa               |
| <b>Tensile strength</b><br>DIN EN ISO 527-2, 1 B             | 35             | MPa               |
| <b>Elongation at break</b><br>DIN EN ISO 527-2, 1 B          | 350            | %                 |
| <b>Tensile modulus</b><br>DIN EN ISO 527-2/1 B, 23 °C        | 700            | MPa               |
| <b>Notched impact strength</b><br>DIN EN ISO 11542-2         | 170            | kJ/m <sup>2</sup> |
| <b>Thermal conductivity</b><br>wire method                   | 0.41           | W/m*K             |
| <b>Temperature range</b>                                     | -200°C to 80°C |                   |

## Declarations of conformity

This overview is purely informative and does not constitute a declaration of conformity (DoC). Please refer to the actual declaration of conformity (DoC) including the conditions and its validity period.

|                         | Country | Part  | Remark               | Expires |
|-------------------------|---------|-------|----------------------|---------|
| (EG) 10/2011            | EU      |       | food                 | see DoC |
| (EG) 2023/2006 (GMP)    | EU      |       | (EG) 2023/2006 (GMP) | see DoC |
| ADI Free                |         |       | see certificate      | see DoC |
| BPA/Phthalate free      |         |       | BPA/Phthalate free   | see DoC |
| CMR Category 1A/1B free |         |       | see certificate      | see DoC |
| FDA                     | USA     | Seals | FDA §177.1520        | see DoC |

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## Country Part

GB 4806 / 9685  
Info ROHS and ELV

CN

## Remark

GB 4806.7  
EU 2000/53 (ELV) including EU 2011/65 and  
EU2015/863 (ROHS III)

## Expires

see DoC  
see DoC

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**No ASTM D2000 properties available**

**Specific characteristic and limitations for the use in food contact are set out in the corresponding declaration of conformities.**

**The composition of the material is compliant with the "Japanese Food Sanitation Act".**

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 manufactories 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.

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