


**TotalEnergies**

Refining & Chemicals  
Polymers

## Finalloy® EBP-2010 205.09

Technical data sheet – Issue 4  
Polypropylene Automotive Compound  
Produced in Europe

### Description

**Finalloy EBP-2010 205.09** is a mineral-filled and impact-modified polypropylene-based compound.

**Finalloy EBP-2010 205.09** is easy to process thanks to its high MFI and good behaviour to flow lines. The typical applications are unpainted bumpers or similar parts. The high rigidity makes this material suitable for the use in thin wall parts.

### Characteristics

|                                         | Method          | Unit              | Typical Value       |
|-----------------------------------------|-----------------|-------------------|---------------------|
| <b>Rheological properties</b>           |                 |                   |                     |
| Melt Flow Rate 230°C/2,16 kg            | ISO 1133-1      | g/10 min          | 28                  |
| <b>Mechanical properties</b>            |                 |                   |                     |
| Tensile modulus                         | ISO 527         | MPa               | 1550                |
| Tensile strength at yield               | ISO 527         | MPa               | 18                  |
| Flexural modulus                        | ISO 178         | MPa               | 1650                |
| Charpy impact strength (notched)        | ISO 179-1eA     | kJ/m <sup>2</sup> |                     |
| at 23°C                                 |                 |                   | 45                  |
| at -20°C                                |                 |                   | 7                   |
| <b>Thermal properties</b>               |                 |                   |                     |
| Melting range                           | internal method | °C                | 160-165             |
| Heat Deflection Temperature             | ISO 75-2        | °C                |                     |
| 0,45 MPa - 120°C per hour               |                 |                   | 98                  |
| Linear mould shrinkage, MD, t=3mm       | internal method | %                 | 0,7 – 0,9           |
| Coefficient of Linear Thermal Expansion | ISO 11359-2     | m/(m·K)           | 75·10 <sup>-6</sup> |
| <b>Other physical properties</b>        |                 |                   |                     |
| Density                                 | ISO 1183-1      | g/cm <sup>3</sup> | 0,98                |

### Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within one year after delivery, provided storage conditions are used as given in the SDS of our product. SDS may be obtained from your technical service contact on request.

Shrinkage range is given as an indication only and should not be used as such for mould design. Shrinkage depends on many variables. Users should define mould shrinkage based on their own measurements.

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