

Description

Finalloy EBP-94 is an impact modified polypropylene-based compound that has an extremely high impact resistance, even at low temperatures.

Finalloy EBP-94 is particularly suitable for automotive parts, which require high impact strength.

Characteristics

| | Method | Unit | Typical Value |
|---|-----------------|-------------------|---------------------|
| Rheological properties | | | |
| Melt Flow Index 230°C/2.16 kg | ISO 1133 | g/10 min | 5 |
| Mechanical properties | | | |
| Tensile strength at yield | ISO 527 | MPa | 12 |
| Tensile strain at yield | ISO 527 | % | 20 |
| Elongation at break | ISO 527 | % | 550 |
| Tensile modulus | ISO 527 | MPa | 550 |
| Charpy impact strength (notched) | ISO 179-1eA | kJ/m ² | |
| at 23°C | | | NB |
| at -30°C | | | 65 |
| Hardness | ISO 868 | Shore D | 45 |
| Thermal properties | | | |
| Melting range | internal method | °C | 160-165 |
| Heat Deflection Temperature | ISO 75-2 | °C | |
| 0.45 MPa - 120°C per hour | | | 70 |
| Linear mould shrinkage, MD, t=3mm | internal method | % | 0.65-0.95 |
| Coefficient of Linear Thermal Expansion | ASTM D 696 | m/m/K | 85*10 ⁻⁶ |
| Other physical properties | | | |
| Density | ISO 1183 | g/cm ³ | 0.900 |

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