

Description

Finalloy EBP-10 is a mineral-filled and impact-modified polypropylene-based compound that combines good impact/rigidity balance with good process ability.

Finalloy EBP-10 is available as a natural compound **with UV stabilisation** that can be coloured with a masterbatch directly at the injection-moulding machine. Finalloy EBP-10 is particularly suitable for the injection moulding of non-painted visible automotive parts. This material is specially designed to have an excellent scratch resistance and reduced tiger marks.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Rate 230°C/2,16 kg	ISO 1133-1	g/10 min	18
Mechanical properties			
Tensile modulus	ISO 527	MPa	1850
Tensile strength at yield	ISO 527	MPa	22
Elongation at break	ISO 527	%	90
Flexural modulus	ISO 178	MPa	2000
Izod impact strength (notched)	ISO 180-1A	kJ/m ²	
at 23°C			13
at -20°C			4
Thermal properties			
Melting range	internal method	°C	160-165
Heat Deflection Temperature	ISO 75-2	°C	
0,45 MPa - 120°C per hour			107
Linear mould shrinkage, MD, t=3mm	internal method	%	0,75 – 0,95
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	60·10 ⁻⁶
Other physical properties			
Density	ISO 1183-1	g/cm ³	1,02

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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