



TotalEnergies

Refining & Chemicals
Polymers

Finalloy® EBP-10

Technical data sheet – Issue 9
Polypropylene Automotive Compound
Produced in Europe

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