



TotalEnergies

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Finalloy® EBP-2020 C16

Technical data sheet – Issue 5
Polypropylene Automotive Compound
Produced in Europe

Description

Finalloy EBP-2020 C16 is a mineral-filled and impact modified polypropylene-based compound that combines high flow and high rigidity.

Finalloy EBP-2020 C16 is particularly suitable for the injection moulding of **thin-wall automotive body parts and bumpers**, which require good paintability, high-quality surface aspect after painting and a very low thermal expansion.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Rate 230°C/2,16 kg	ISO 1133-1	g/10 min	28
Mechanical properties			
Tensile modulus	ISO 527	MPa	1950
Tensile strength at yield	ISO 527	MPa	18
Flexural modulus	ISO 178	MPa	2200
Charpy impact strength (notched)	ISO 179-1eA	kJ/m ²	
at 23°C			45
at -20°C			6,5
Thermal properties			
Melting range	internal method	°C	160-165
Heat Deflection Temperature	ISO 75-2	°C	
0,45 MPa - 120°C per hour			102
Linear mould shrinkage, MD, t=3mm	internal method	%	0,4 – 0,6
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	48·10 ⁻⁶
Other physical properties			
Density	ISO 1183-1	g/cm ³	1,03

PP Automotive Compound