



TotalEnergies

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Finalloy® EBP-830/9 C16

Technical data sheet – Issue 7
Polypropylene Automotive Compound
Produced in Europe

Description

Finalloy EBP-830/9 C16 is a mineral-filled and impact modified polypropylene-based compound that combines a **very high rigidity** with a good processability and a **very low linear thermal expansion**.

Finalloy EBP-830/9 C16 is particularly suitable for the injection moulding of automotive body parts, which require high stiffness, good paintability and **high-quality surface aspect after painting**.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Rate 230°C/2,16 kg	ISO 1133-1	g/10 min	15
Mechanical properties			
Tensile strength at yield	ISO 527	MPa	21
Tensile strain at yield	ISO 527	%	2,5
Elongation at break	ISO 527	%	25
Flexural modulus	ISO 178	MPa	3100
Charpy impact strength (notched)			
at 23°C	ISO 179-1eA	kJ/m ²	21
at -20°C	ISO 179-1eA	kJ/m ²	3
Thermal properties			
Melting range	internal method	°C	160 – 165
Heat Deflection Temperature			
0,45 MPa - 120°C per hour	ISO 75-2	°C	125
Vicat Softening point A50 (10N, 50°C/h)	ISO 306	°C	135
Linear mould shrinkage, MD, t=3mm	internal method	%	0,4 – 0,6
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	40·10 ⁻⁶
Other physical properties			
Density	ISO 1183-1	g/cm ³	1,15