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Finalloy® EBP-823/9 C16

TotalEnergies
Refining & Chemicals
Polymers

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

Description

Finalloy EBP-823/9 C16 is a 23% mineral-filled and impact modified polypropylene-based compound that combines a high rigidity, good processability and a low linear thermal expansion.

Finalloy EBP-823/9 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	18
Mechanical properties			
Tensile strength at yield	ISO 527	MPa	22,5
Elongation at break	ISO 527	%	45
Flexural modulus	ISO 178	MPa	2650
Charpy impact strength (notched)	ISO 179-1eA	kJ/m^2	
at 23°C			22
at –20°C			3,5
Thermal properties			
Melting range	internal method	°C	160-165
Heat Deflection Temperature	ISO 75-2	°C	
0,45 MPa - 120°C per hour			116
Linear mould shrinkage, MD, t=3mm	internal method	%	0,50 – 0,75
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	$55 \cdot 10^{-6}$
Other physical properties			
Density	ISO 1183-1	g/cm^3	1,05

PP Automotive Compound