



TotalEnergies

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Finalloy® EBP-19

Technical data sheet – Issue 8
Polypropylene Automotive Compound
Produced in Europe

Description

Finalloy EBP-19 is a mineral-filled and impact modified polypropylene-based compound that combines a very low linear thermal expansion with good process ability.

Finalloy EBP-19 is particularly suitable for the injection moulding of automotive exterior parts like rocker panels and other parts, which require **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	17
Mechanical properties			
Tensile strength at yield	ISO 527	MPa	17
Tensile strain at yield	ISO 527	%	5
Elongation at break	ISO 527	%	50
Flexural modulus	ISO 178	MPa	2100
Charpy impact strength (notched)			
at 23°C	ISO 179-1eA	kJ/m ²	35
at -20°C	ISO 179-1eA	kJ/m ²	6
Thermal properties			
Melting range	internal method	°C	160-165
Heat Deflection Temperature			
0,45 MPa - 120°C per hour	ISO 75-2	°C	100
Vicat Softening point A50 (10N, 50°C/h)	ISO 306	°C	122
Linear mould shrinkage, MD, t=3mm	internal method	%	0,35 – 0,55
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	30·10 ⁻⁶
Other physical properties			
Density	ISO 1183-1	g/cm ³	1,13

PP Automotive Compound