



TotalEnergies

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Finalloy® EBP-822LS

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

Description

Finalloy EBP-822LS is a mineral-filled and impact modified polypropylene-based compound that combines good impact resistance, high rigidity, good process ability and a **very low linear thermal expansion**.

Finalloy EBP-822LS is particularly suitable for the injection moulding of **unpainted** automotive exterior parts, which require low thermal expansion like door lists and other side mouldings. This material is specially designed to have a good scratch resistance and almost **no tiger stripes**.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Rate 230°C/2,16 kg	ISO 1133-1	g/10 min	19
Mechanical properties			
Tensile modulus	ISO 527	MPa	1600
Tensile strength at yield	ISO 527	MPa	18
Elongation at break	ISO 527	%	60
Flexural modulus	ISO 178	MPa	1800
Charpy impact strength (notched)	ISO 179-1eA	kJ/m ²	
at 23°C			22
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			100
Linear mould shrinkage, MD, t=3mm	internal method	%	0,40 – 0,65
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	45·10 ⁻⁶
Other physical properties			
Density	ISO 1183-1	g/cm ³	1,06

PP Automotive Compound