



TotalEnergies

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Finalloy® EBP-831 OK1

Technical data sheet – Issue 6
Polypropylene Automotive Compound
Produced in Europe

Description

Finalloy EBP-831 OK1 is a 30% mineral-filled and impact-modified polypropylene-based compound that combines excellent rigidity/impact balance, good processability and low linear thermal expansion.

Finalloy EBP-831 OK1 is particularly suitable for the injection moulding of **unpainted** automotive exterior body parts, which require high stiffness, good surface aspect and high dimensional stability. This material is **UV stabilized**.

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	%	3,5
Elongation at break	ISO 527	%	25
Flexural modulus	ISO 178	MPa	2600
Charpy impact strength (notched) at 23°C	ISO 179-1eA	kJ/m ²	25
Thermal properties			
Melting range	internal method	°C	160-165
Vicat Softening point A50 (10N, 50°C/h)	ISO 306	°C	135
Linear mould shrinkage, MD, t=3mm	internal method	%	0,5 – 0,7
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	45·10 ⁻⁶
Other physical properties			
Density	ISO 1183-1	g/cm ³	1,12

PP Automotive Compound