



TotalEnergies

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Finalloy® EBP-830/9 UC98

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

Description

Finalloy **EBP-830/9 UC98** is a mineral-filled and impact modified polypropylene-based compound that combines a **very high rigidity**, good processability and a very low linear thermal expansion.

Finalloy **EBP-830/9 UC98** is particularly suitable for the injection moulding of automotive body parts, which require a high stiffness and a low thermal expansion.

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	20
Tensile strain at yield	ISO 527	%	3
Elongation at break	ISO 527	%	20
Flexural modulus	ISO 178	MPa	2900
Charpy impact strength (notched) at 23°C	ISO 179-1eA	kJ/m ²	21
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	138
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

PP Automotive Compound