



TotalEnergies

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Finalloy® EBP-820/2 UC9B9

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

Description

Finalloy EBP-820/2 UC9B9 is a 20% mineral-filled and impact modified polypropylene-based compound that combines a very low linear thermal expansion and reduced tiger marks with good process ability.

Finalloy EBP-820/2 UC9B9 is UV stabilized and optimized for good surface aspect. It is particularly suitable for the injection moulding of automotive exterior parts like rocker panels, wheel arches and other parts which require lower thermal expansion. This material has the VW color **9B9**.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Rate 230°C/2,16 kg	ISO 1133-1	g/10 min	20
Mechanical properties			
Tensile strength at yield	ISO 527	MPa	19
Tensile strain at yield	ISO 527	%	4.5
Elongation at break	ISO 527	%	65
Flexural modulus	ISO 178	MPa	2000
Charpy impact strength (notched)			
at 23°C	ISO 179-1eA	kJ/m ²	38
at -20°C	ISO 179-1eA	kJ/m ²	5.5
Thermal properties			
Melting range	internal method	°C	160-165
Linear mould shrinkage, MD, t=3mm	internal method	%	0,5 – 0,7
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	50·10 ⁻⁶
Other physical properties			
Density	ISO 1183-1	g/cm ³	1,03

PP Automotive Compound