



**TotalEnergies**

Refining & Chemicals  
Polymers

## 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
<b>Rheological properties</b>			
Melt Flow Rate 230°C/2,16 kg	ISO 1133-1	g/10 min	20
<b>Mechanical properties</b>			
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 <sup>2</sup>	38
at -20°C	ISO 179-1eA	kJ/m <sup>2</sup>	5.5
<b>Thermal properties</b>			
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 <sup>-6</sup>
<b>Other physical properties</b>			
Density	ISO 1183-1	g/cm <sup>3</sup>	1,03

## Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within one year after delivery, provided storage conditions are used as given in the SDS of our product. SDS may be obtained from your technical service contact on request.

Shrinkage range is given as an indication only and should not be used as such for mould design. Shrinkage depends on many variables. Users should define mould shrinkage based on their own measurements.

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