TotalEnergies

Refining & Chemicals
Polymers

Finalloy® EBP-2020 C16

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

Description

Finalloy EBP-2020 C16 is a mineral-filled and impact modified polypropylene-based compound that combines high flow and high rigidity.

Finalloy EBP-2020 C16 is particularly suitable for the injection moulding of **thin-wall automotive body parts and bumpers**, which require good paintability, high-quality surface aspect after painting and a very low thermal expansion.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Rate 230°C/2,16 kg	ISO 1133-1	g/10 min	28
Mechanical properties			
Tensile modulus	ISO 527	MPa	1950
Tensile strength at yield	ISO 527	MPa	18
Flexural modulus	ISO 178	MPa	2200
Charpy impact strength (notched)	ISO 179-1eA	kJ/m^2	
at 23°C			45
at –20°C			6,5
Thermal properties			
Melting range	internal method	°C	160-165
Heat Deflection Temperature	ISO 75-2	°C	
0,45 MPa - 120°C per hour			102
Linear mould shrinkage, MD, t=3mm	internal method	%	0,4 – 0,6
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	$48 \cdot 10^{-6}$
Other physical properties			
Density	ISO 1183-1	g/cm^3	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.

PP Automotive Compound

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. These are typical values not to be construed as specification limits. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use. Unless specifically indicated, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. The Companies within Total Petrochemicals do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. No information contained in this publication can be considered as a suggestion to infringe patents. The Companies disclaim any liability that may be claimed for infringement or alleged infringement of patents.

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