

Description

Finalloy EBP-94 is an impact modified polypropylene-based compound that has an extremely high impact resistance, even at low temperatures.

Finalloy EBP-94 is particularly suitable for automotive parts, which require high impact strength.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	5
Mechanical properties			
Tensile strength at yield	ISO 527	MPa	12
Tensile strain at yield	ISO 527	%	20
Elongation at break	ISO 527	%	550
Tensile modulus	ISO 527	MPa	550
Charpy impact strength (notched)	ISO 179-1eA	kJ/m ²	
at 23°C			NB
at -30°C			65
Hardness	ISO 868	Shore D	45
Thermal properties			
Melting range	internal method	°C	160-165
Heat Deflection Temperature	ISO 75-2	°C	
0.45 MPa - 120°C per hour			70
Linear mould shrinkage, MD, t=3mm	internal method	%	0.65-0.95
Coefficient of Linear Thermal Expansion	ASTM D 696	m/m/K	85*10 ⁻⁶
Other physical properties			
Density	ISO 1183	g/cm ³	0.900

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. 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.