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/m²	
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/cm³	0.900

PP Automotive Compound

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