

Description

Finalloy EBP-15X5 is a mineral-filled and impact modified polypropylene-based compound that combines a very low linear thermal expansion with good process ability.

Finalloy EBP-15X5 is particularly suitable for the injection moulding of automotive exterior parts like painted rocker panels and other parts, which require low thermal expansion.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	10
Mechanical properties			
Tensile strength at yield	ISO 527	MPa	17
Tensile strain at yield	ISO 527	%	5
Elongation at break	ISO 527	%	> 50
Tensile modulus	ISO 527	MPa	1800
Charpy impact strength (notched)	ISO 179-1eA	kJ/m ²	
at 23°C			30
at -20°C			5
Thermal properties			
Melting range	internal method	°C	160-165
Heat Deflection Temperature	ISO 75-2	°C	
0.45 MPa - 120°C per hour			100
Vicat Softening point A50 (10N, 50°C/h)	ISO 306	°C	125
Linear mould shrinkage, MD, t=3mm	internal method	%	0.5
Coefficient of Linear Thermal Expansion	ASTM D 696	m/m/K	35*10 ⁻⁶
Other physical properties			
Density	ISO 1183	g/cm ³	1.130

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