

Description

Finalloy EBP-15X6H is a mineral-filled and impact modified polypropylene-based compound that has a very low linear thermal expansion in combination with high modulus, good process ability and reduced tiger marks. It has a high **thermal stability**.

Finalloy EBP-15X6H is UV stabilized and can be supplied in natural or coloured upon request. It is particularly suitable for the injection moulding of **unpainted** automotive exterior parts like rocker panels wheel arches, door trim lists 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	20
Mechanical properties			
Tensile strength at yield	ISO 527	MPa	18
Tensile strain at yield	ISO 527	%	6
Elongation at break	ISO 527	%	30
Flexural modulus	ISO 178	MPa	2000
Charpy impact strength (notched)	ISO 179-1eA	kJ/m ²	
at 23°C			15
at -20°C			3
Hardness	ISO 868	Shore D	65
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	%	0.4-0.65
Coefficient of Linear Thermal Expansion	ASTM D 696	m/m/K	37*10 ⁻⁶
Other physical properties			
Density	ISO 1183	g/cm ³	1.120