

Description

Finalloy EBP-831 coloured is a 30% mineral-filled and impact-modified polypropylene-based compound that combines an excellent rigidity/impact balance, a good processability and a low linear thermal expansion.

Finalloy EBP-831 coloured is particularly suitable for the injection moulding of exterior automotive body parts, which require high stiffness, good surface aspect and high dimensional stability. This material is UV stabilized.

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	21
Elongation at break	ISO 527	%	> 40
Tensile Strain at Yield	ISO 527	%	4
Flexural modulus	ISO 178	MPa	2400
Charpy impact strength (notched)	ISO 179-1eA	kJ/m ²	
at 23°C			15
at -20°C			3.5
Biaxial FW Impact at 0°C	ISO 6603-2	-	Ductile
Thermal properties			
Melting range	internal method	°C	160-165
Heat Deflection Temperature	ISO 75-2	°C	
0.45 MPa - 120°C per hour			120
Linear mould shrinkage, MD, t=3mm	internal method	%	0.4-0.6
Coefficient of Linear Thermal Expansion	ASTM D 696	m/m/K	40*10 ⁻⁶
Other physical properties			
Density	ISO 1183	g/cm ³	1.120

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