

**TOTAL**Refining & Chemicals
Polymers+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)**Finalloy® EBP-18 C16**Technical data sheet – Issue 8
Polypropylene Automotive Compound
Produced in Europe**Description**

Finalloy EBP-18 C16 is a mineral-filled and impact modified polypropylene-based compound that combines a very low linear thermal expansion with good process ability.

Finalloy EBP-18 C16 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 Rate 230°C/2,16 kg	ISO 1133-1	g/10 min	15
Mechanical properties			
Tensile strength at yield	ISO 527	MPa	17
Tensile strain at yield	ISO 527	%	5
Elongation at break	ISO 527	%	50
Flexural modulus	ISO 178	MPa	2000
Charpy impact strength (notched)			
at 23°C	ISO 179-1eA	kJ/m ²	30
at -20°C	ISO 179-1eA	kJ/m ²	5
Thermal properties			
Melting range	internal method	°C	160 - 165
Heat Deflection Temperature			
0,45 MPa - 120°C per hour	ISO 75-2	°C	100
Vicat Softening point A50 (10N, 50°C/h)	ISO 306	°C	125
Linear mould shrinkage, MD, t=3mm	internal method	%	0,45 - 0,65
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	40·10 ⁻⁶
Other physical properties			
Density	ISO 1183-1	g/cm ³	1,130

PP Automotive Compound



TOTAL