+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

TotalEnergies
Refining & Chemicals
Polymers

Finalloy® EBP-820/2 C16

Technical data sheet – Issue 5
Polypropylene Automotive Compound
Produced in Europe

Description

Finalloy EBP-820/2 C16 is a 20% mineral-filled and impact-modified polypropylene-based compound that combines a low linear thermal expansion with good processability.

Finalloy EBP-820/2 C16 is particularly suitable for the injection moulding of automotive, panted exterior parts like rocker panels, lower door mouldings and other parts that require a low thermal expansion.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Rate 230°C/2,16 kg	ISO 1133-1	g/10 min	19
Mechanical properties			
Tensile modulus	ISO 527	MPa	1950
Tensile strength at yield	ISO 527	MPa	20
Tensile strain at yield	ISO 527	%	5
Elongation at break	ISO 527	%	>50
Flexural modulus	ISO 178	MPa	2100
Charpy impact strength (notched)	ISO 179-1eA	kJ/m^2	
at 23°C			40
at –20°C			5
Thermal properties			
Melting range	internal method	°C	160-165
Vicat Softening point A50 (10N, 50°C/h)	ISO 306	°C	130
Linear mould shrinkage, MD, t=3mm	internal method	%	0,5 – 0,8
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	$45 \cdot 10^{-6}$
Other physical properties			
Density	ISO 1183-1	g/cm^3	1,03

PP Automotive Compound