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TotalEnergies
Refining & Chemicals
Polymers

Finalloy® HXN-85 C16

Technical data sheet – Issue 2
Polypropylene Automotive Compound
Produced in Europe

Description

Finalloy HXN-85 C16 is a 20% mineral-filled polypropylene-based compound that combines very good processing with very high rigidity.

Finalloy HXN-85 C16 is particularly suitable for the injection moulding of automotive interior parts like air ducts, which require **low HC emissions and odour**.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Rate 230°C/2,16 kg	ISO 1133-1	g/10 min	12
Mechanical properties			
Tensile modulus	ISO 527	MPa	2700
Tensile strength at yield	ISO 527	MPa	34
Elongation at break	ISO 527	%	20
Flexural modulus	ISO 178	MPa	2900
Flexural strength	ISO 178	MPa	36
Izod impact strength (notched)			
at 23°C	ISO 180-1A	kJ/m^2	4
Thermal properties			
Melting range	internal method	°C	160-165
Heat Deflection Temperature			
0,45 MPa - 120°C per hour	ISO 75-2	°C	128
Vicat Softening point A50 (10N, 50°C/h)	ISO 306	°C	156
Linear mould shrinkage, MD, t=3mm	internal method	%	0,95 – 1,10
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	$75 \cdot 10^{-6}$
Other physical properties			
Density	ISO 1183-1	g/cm^3	1,04
VOC emission	VDA 278	mg/kg	60
FOG emission	VDA 278	mg/kg	200
Odour	VDA 270	1-6	3

PP Automotive Compound