



TotalEnergies

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Finalloy® HXN-88

Technical data sheet – Issue 4
Polypropylene Automotive Compound
Produced in Europe

Description

Finalloy HXN-88 is a 20% mineral-filled and impact-modified polypropylene copolymer-based compound that combines a good rigidity/impact balance with good processability.

Finalloy HXN-88 is particularly suitable for the injection moulding of automotive interior parts, which require **low HC emission and low odour**.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Rate 230°C/2,16 kg	ISO 1133-1	g/10 min	10
Mechanical properties			
Tensile modulus	ISO 527	MPa	2100
Tensile strength at yield	ISO 527	MPa	21
Tensile strain at yield	ISO 527	%	4
Elongation at break	ISO 527	%	70
Flexural modulus	ISO 178	MPa	2200
Charpy impact strength (notched)			
at 23°C	ISO 179-1eA	kJ/m ²	25
at -20°C	ISO 179-1eA	kJ/m ²	4
Charpy impact strength (unnotched)			
at -30°C	ISO 179-1eU	kJ/m ²	NB
Thermal properties			
Melting range	internal method	°C	160-165
Heat Deflection Temperature			
0,45 MPa - 120°C per hour	ISO 75-2	°C	110
Linear mould shrinkage, MD, t=3mm	internal method	%	0,85 – 1,05
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	65·10 ⁻⁶
Other physical properties			
Density	ISO 1183-1	g/cm ³	1,04
VOC / FOG Emission	VDA 278	ppm	110 / 250
Static Headspace C-emission	VDA 277	µg C/g	25
Odour	VDA 270 / B3	1 - 6	3

PP Automotive Compound