



TotalEnergies

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Finalloy® EF-56/8 C161 S2

Technical data sheet – Issue 3
Polypropylene Automotive Compound
Produced in Europe

Description

Finalloy EF-56/8 C161 S2 is a mineral-filled and impact modified polypropylene-based compound that combines good processing with very good impact resistance and high stiffness.

Finalloy EF-56/8 161 S2 is particularly suitable for the injection moulding of automotive parts, which require a good impact resistance, high dimensional stability and good demoulding behaviour.

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	1400
Tensile strength at yield	ISO 527	MPa	17
Tensile strain at yield	ISO 527	%	6
Elongation at break	ISO 527	%	350
Flexural modulus	ISO 178	MPa	1500
Charpy impact strength (notched)	ISO 179-1eA	kJ/m ²	
at 23°C			No break
at -20°C			8
Thermal properties			
Melting range	internal method	°C	160-165
Heat Deflection Temperature	ISO 75-2	°C	
0,45 MPa - 120°C per hour			100
Vicat Softening point A50 (10N, 50°C/h)	ISO 306	°C	125
Linear mould shrinkage, MD, t=3mm	internal method	%	0,5 – 0,8
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	45·10 ⁻⁶
Other physical properties			
Density	ISO 1183-1	g/cm ³	1,03

PP Automotive Compound