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TotalEnergies
Refining & Chemicals
Polymers

Finalloy® SR-64N S11

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

Description

Finalloy SR-64N S11 a 15% mineral-filled and impact-modified polypropylene-based compound that combines a good impact/rigidity balance with very good processability.
Finalloy SR-64N S11 in-coloured compounds are particularly suitable for the injection moulding of non-painted, visible automotive interior parts that require an excellent scratch resistance. The surface of parts produced with this material will not become sticky after exposure to heat and uv light.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Rate 230°C/2,16 kg	ISO 1133-1	g/10 min	25
Mechanical properties			
Tensile modulus	ISO 527	MPa	1650
Tensile strength at yield	ISO 527	MPa	21
Tensile strain at yield	ISO 527	%	5
Elongation at break	ISO 527	%	>50
Flexural modulus	ISO 178	MPa	1800
Charpy impact strength (notched)	ISO 179-1eA	kJ/m^2	
at 23°C			25
at –20°C			5
at –30°C			4
Hardness	ISO 868	Shore D	64
Thermal properties			
Melting range	internal method	°C	160-165
Heat Deflection Temperature	ISO 75-2	°C	
0,45 MPa - 120°C per hour			110
Vicat Softening point A50 (10N, 50°C/h)	ISO 306	°C	135
Linear mould shrinkage, MD, t=3mm	internal method	%	0,85 – 1,15
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	1,00

PP Automotive Compound