

**TotalEnergies**Refining & Chemicals
Polymers**+135-3858-6433 (GuangDong)**
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)**Finalloy® SR-64N S11 NATUR**Technical data sheet – Issue 2
Polypropylene Automotive Compound
Produced in Europe**Description**

Finalloy SR-64N S11 NATUR is 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 NATUR is UV stabilized and is, in combination with a colour masterbatch, 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	32
Mechanical properties			
Tensile modulus	ISO 527	MPa	1750
Tensile strength at yield	ISO 527	MPa	22
Tensile strain at yield	ISO 527	%	5
Elongation at break	ISO 527	%	35
Flexural modulus	ISO 178	MPa	1900
Charpy impact strength (notched)			
at -20°C	ISO 179-1eA	kJ/m ²	4
at -30°C	ISO 179-1eA		3
Thermal properties			
Melting range	internal method	°C	160 – 165
Heat Deflection Temperature			
0,45 MPa - 120°C per hour	ISO 75-2	°C	110
Vicat Softening point A50 (10N, 50°C/h)	ISO 306	°C	135
Linear mould shrinkage, MD, t=3mm	internal method	%	0,9 – 1,10
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	75·10 ⁻⁶
Other physical properties			
Density	ISO 1183-1	g/cm ³	1,00