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TOTAL

Refining & Chemicals
Polymers

Finalloy® SR-64N S05

Technical data sheet – Issue 1
Polypropylene Automotive Compound
Produced in USA

Description

Finalloy SR-64N S05 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 S05 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 Index 230°C/2.16 kg	ISO 1133	g/10 min	25
Mechanical properties			
Tensile Strength at Yield	ISO 527	MPa	21
Tensile Strain at Yield	ISO 527	%	5
Tensile modulus	ISO 527	MPa	1650
Elongation at break	ISO 527	%	> 30
Flexural modulus	ISO 178	MPa	1750
Charpy Impact Strength (notched)	ISO 179-1eA	kJ/m²	
at 23°C			30
at -20°C			5
at -30°C			4,2
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	ASTM D 696	m/m/K	$75*10^{-6}$
Other physical properties			
Density	ISO 1183	g/cm³	1,0

Polypropylene