

## 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
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	25
<b>Mechanical properties</b>			
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/m <sup>2</sup>	
at 23°C			30
at -20°C			5
at -30°C			4,2
Hardness	ISO 868	Shore D	64
<b>Thermal properties</b>			
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 <sup>-6</sup>
<b>Other physical properties</b>			
Density	ISO 1183	g/cm <sup>3</sup>	1,0