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TotalEnergies
Refining & Chemicals
Polymers

Finalloy® SMV-66HM

Technical data sheet – Issue 8
Polypropylene Automotive Compound
Produced in Europe

Description

Finalloy SMV-66HM is a 15% mineral-filled and impact-modified polypropylene-based compound that combines a good impact-rigidity balance with very good processability. This material has been optimised to meet extremely severe specifications for low HC-emissions and odour in the car interior.

Finalloy SMV-66HM is UV and heat stabilised and is particularly suitable for the injection moulding of non-painted, visible automotive interior parts.

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	1750
Tensile strength at yield	ISO 527	MPa	23
Tensile strain at yield	ISO 527	%	5
Elongation at break	ISO 527	%	50
Flexural modulus	ISO 178	MPa	1950
Charpy impact strength (notched)	ISO 179-1eA	kJ/m^2	
at 23°C			20
at –20°C			4
at –30°C			3
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
Linear mould shrinkage, MD, t=3mm	internal method	%	0,90 – 1,05
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	$70 \cdot 10^{-6}$
Other physical properties			
Density	ISO 1183-1	g/cm^3	1,00

PP Automotive Compound