

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)	70·10 ⁻⁶
Other physical properties			
Density	ISO 1183-1	g/cm ³	1,00

Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within one year after delivery, provided storage conditions are used as given in the SDS of our product. SDS may be obtained from your technical service contact on request.

Shrinkage range is given as an indication only and should not be used as such for mould design. Shrinkage depends on many variables. Users should define mould shrinkage based on their own measurements.

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