

Finalloy® EBP-1415 SchwarzSilber

Technical data sheet – Issue 4
 Polypropylene Automotive Compound
 Produced in Europe

Description

Finalloy EBP-1415 SchwarzSilber is a 15% mineral filled, light-weight, impact modified polypropylene-based compound that combines very good processing with good impact resistance and high stiffness. Its formulation targets properties to be minimum equal to 20% filled bumper grades, allowing ca. 4% savings in weight. The material is UV stabilized and is optimized for reducing tiger lines.

Finalloy EBP-1415 SchwarzSilber is particularly suitable for the injection moulding of unpainted automotive parts, which require a good impact resistance and high dimensional stability like bumper spoilers and grills.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Rate 230°C/2,16 kg	ISO 1133-1	g/10 min	16
Mechanical properties			
Tensile modulus	ISO 527	MPa	1450
Tensile strength at yield	ISO 527	MPa	16
Tensile strain at yield	ISO 527	%	5
Elongation at break	ISO 527	%	70
Flexural modulus	ISO 178	MPa	1600
Charpy impact strength (notched)			
at 23°C	ISO 179-1eA	kJ/m ²	50
at -20°C	ISO 179-1eA	kJ/m ²	15
Thermal properties			
Melting range	internal method	°C	160-165
Heat Deflection Temperature			
0,45 MPa - 120°C per hour	ISO 75-2	°C	100
Vicat Softening point A50 (10N, 50°C/h)	ISO 306	°C	125
Linear mould shrinkage, MD, t=3mm	internal method	%	0,5 – 0,6
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	45·10 ⁻⁶
Other physical properties			
Density	ISO 1183-1	g/cm ³	0,997

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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