+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

TotalEnergies
Refining & Chemicals
Polymers

Finalloy® EBP-15X6H UC9B9

Technical data sheet – Issue 3
Polypropylene Automotive Compound
Produced in Europe

Description

Finalloy EBP-15X6H UC9B9 is a mineral-filled and impact modified polypropylene-based compound that has a very low linear thermal expansion in combination with high modulus, good processability, good scratch resistance and reduced tiger marks. It has a high **thermal stability**.

Finalloy EBP-15X6H UC9B9 is UV stabilized and optimized for good surface aspect. It is particularly suitable for the injection moulding of **unpainted** automotive exterior parts like rocker panels, wheel arches, door trim lists and other parts which require low thermal expansion.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Rate 230°C/2,16 kg	ISO 1133-1	g/10 min	20
Mechanical properties			
Tensile strength at yield	ISO 527	MPa	18
Tensile strain at yield	ISO 527	%	6
Elongation at break	ISO 527	%	30
Flexural modulus	ISO 178	MPa	2000
Charpy impact strength (notched)	ISO 179-1eA	kJ/m^2	
at 23°C			18
at –20°C			3
Hardness	ISO 868	Shore D	65
Thermal properties			
Melting range	internal method	°C	160-165
Heat Deflection Temperature	ISO 75-2	°C	
0,45 MPa - 120°C per hour			100
Vicat Softening point A50 (10N, 50°C/h)	ISO 306	°C	125
Linear mould shrinkage, MD, t=3mm	internal method	%	0,4 – 0,65
Coefficient of Linear Thermal Expansion	ISO 11359-2	m/(m·K)	$37 \cdot 10^{-6}$
Other physical properties			
Density	ISO 1183-1	g/cm^3	1,12

PP Automotive Compound