

TOTAL PETROCHEMICALS

Provisional Technical Datasheet
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Finalloy® EBP-18

FINALLOY EBP-18 is a mineral filled, impact modified PP-based compound that has a very low linear thermal expansion combined with good processability.
FINALLOY EBP-18 is particularly suitable for injection moulding of automotive exterior parts like rocker panels and other parts, which require low thermal expansion.

RHEOLOGICAL PROPERTIES	UNIT	TEST METHOD	TYPICAL VALUE
Melt Flow Rate 230°C/2.16 kg	g/10 min	ISO 1133	17
MECHANICAL PROPERTIES			
Tensile Strength at Yield	MPa	ISO 527	17
Tensile Strain at Yield	%	ISO 527	5
Elongation at break	%	ISO 527	> 50
Tensile Modulus	MPa	ISO 527	1800
Notched Charpy Impact Strength at 23°C	kJ/m ²	ISO 179-1eA	30
-20°C	kJ/m ²	ISO 179-1eA	5
Rockwell Hardness	R	ISO 2039-2	-
THERMAL PROPERTIES			
Melt range	°C	internal method	160 – 165
Heat Deflection Temperature (0.45 MPa)	°C	ISO 75-2	91
Vicat Softening Point (10N, 50°C/h)	°C	ISO 306	-
Linear mould shrinkage, MD, t=3mm	%	internal method	0,45
Coefficient of Linear Thermal Expansion	m/m/K	ASTM D696	3,2*10 ⁻⁵
OTHER PHYSICAL PROPERTIES			
Density	kg/m ³	ISO 1183	1130

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