

WIC PP 30 BK LE2

(Status: 21.05.2021)

Base Polymer	Polypropylene
Filler	30% carbon fiber
Colour	black
Special Features	low emission, heat aging stabilized
Typical Applications	automotive, sport

Pre Drying Conditions	circulation-air dryer 80°C for 2-4h, dependant on moisture content max. moisture content <0,10%
Processing Conditions	injection moulding melt temperature 210-260°C injection moulding mould temperature 30-60°C Under certain circumstances, the thermal conductivity has to be considered.
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile modulus	13500	MPa	ISO 527-1/-2
Tensile strength	90	MPa	ISO 527-1/-2
Tensile elongation at break	3,3	%	ISO 527-1/-2
Charpy Impact strength unnotched 23°C	43	kJ/m ²	ISO 179/1eU
Charpy Impact strength unnotched -40°C	-	kJ/m ²	ISO 179/1eU
Charpy Impact strength notched 23°C	9	kJ/m ²	ISO 179/1eA
Charpy Impact strength notched -40°C	-	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	-	°C	ISO 306
HDT/A (1,8 MPa)	149	°C	ISO 75-1/-2
Melt Point (DSC)	-	°C	ISO 11357
Rheological Properties			
MVR	12	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2,16	kg	-
Shrinkage - lengthwise	0,2	%	ISO 294-4
Shrinkage - lateral	0,4	%	ISO 294-4
Physical Properties			
Density	1090	kg/m ³	ISO 1183

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CO₂-Footprint (GWP100)

1,50

[kg CO₂ eq.]

**GaBi (DIN EN ISO
14040/14044)**

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardized test specimens and can be affected by pigmentation, mould design and processing conditions.

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