

# performanceplastics

## PP Haiplen H30 G6 BA

Polypropylene homopolymer 30% glass fibre reinforced, good mechanical properties

### Properties

Physical	Method	Condition	Unit	Value
Melt Index	ISO 1133	230°C/2.16kg	g/10min	6
Specific Gravity	ISO 1183	23°C	g/cm <sup>3</sup>	1.12
Mold Shrinkage	ASTM D955	Flow Across Flow	%	0.2 – 0.4 0.7 – 0.9
Water Absorption	ISO 62	23°C, 24 hr	%	0.10

Mechanical	Method	Condition	Unit	Value
Izod Notched Impact	ASTM D256	23°C	J/m	130
Izod Notched Impact	ASTM D256	-20°C	J/m	75
Charpy Unnotched	ISO 179/1eU	23°C	kJ/m <sup>2</sup>	70
Tensile Modulus	ISO 527		MPa	5900
Tensile Break Strength	ISO 527		MPa	92
Elongation at Break	ISO 527		%	4
Flexural Strength	ISO 178		MPa	125
Flexural Modulus	ISO 178		MPa	5800

Thermal	Method	Condition	Unit	Value
Vicat Temperature	ISO 306	1Kg	°C	155
Vicat Temperature	ISO 306	5Kg	°C	140
HDT	ISO 75A	1.82MPa	°C	147
Ball Pressure Test	IEC 60695-10-2		°C	125

Electrical	Method	Condition	Unit	Value
Comparative Tracking Index	IEC 60112	Method A	Volt	>600

Flammability	Method	Condition	Unit	Value
Burning Behaviour	UL94	1.6mm	Class	HB
Burning Rate	FMVSS 302	2.00mm	mm/min	<100
Glow Wire Flammability	IEC 60695-2-12	1.6mm	°C	650
Glow Wire Ignition	IEC 60695-2-13	1.6mm	°C	550
Oxygen Index	ASTM D2863		%	20

Injection	Method	Condition	Unit	Value
Drying Temperature		1.0 hr	°C	70 – 80
Processing (Melt) Temp			°C	220 – 250
Mould Temperature			°C	50 – 70
Injection Rate		Moderate		

The values quoted are the average of results obtained under laboratory conditions and are given only as an indication to enable customers to make use of our products.

Prospective users should determine the suitability of materials before adopting them on a commercial scale.

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