

HIPRENE HLG76BE

HiPrene® HLG76BE is polypropylene with 60% long glass fibers. The fibers are chemically coupled to polypropylene matrix. Pellets are cylindrical and usual length of embedded fibers is 10mm. This material combines excellent strength and stiffness with perfect impact resistance at low temperatures also. This grade is available in black color.

	Properties	Test condition	Method	Unit	Value
Impact	Notched Charpy Impact Strength	23°C	ISO 179/1eA	KJ/m ²	36
Hardness	Rockwell Hardness	R-Scale	ISO 2039		104
Physical	Specific Gravity		ISO 1183	g/cm ³	1,45
Thermal	Volatile Matters		GS Method	%	0,12
	Ash Content	600°C	ISO 3451	%	60
	Head Deflection Temperature B		ISO 75-2/B	°C	157
Mechanical	Tensile Stress at Yield		ISO 527-2	MPa	155
	Tensile Strain at Break		ISO 527-2	%	2
	Flexural Modulus ¹	23°C / 2mm/min	ISO 178	MPa	15000