

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

All values are approximate values and are given after the best knowledge and conscience. Hence, because of variable processing terms or processing procedures an obligation cannot be derived from it.

Tekuma Kunststoff GmbH is not the manufacturer of a.m. product. The information return the result of the quality inspection. An assurance of certain properties and qualities for specify uses cannot be derived. We recommend additional tests with regard to the suitability ability. Guarantee occurs within the scope of our general terms of sale and terms of delivery.