

# HIPRENE HLG73BEG

HiPrene® HLG73BEG is the 30% long glass fiber reinforced polypropylene compound. This grade has excellent mechanical and thermal properties. It can replace other engineering plastics where is necessary to have high stiffness and high impact resistance. It is suitable for many different application in Automotive and Home appliance industry. This material is special impact modified.

	Properties	Test condition	Method	Unit	Value
Impact	Notched Izod Impact Strength	23°C	ISO 180/A	J/m	22
	Notched Izod Impact Strength	-30°C	ISO 180/A/-30°C	KJ/m <sup>2</sup>	23
	Charpy Impact Strength Notched	23°C	ISO 179/A/23°C	KJ/m <sup>2</sup>	24
	Charpy Impact Strength Notched	-30°C	ISO 179/A/-30°C	KJ/m <sup>2</sup>	25
Hardness	Rockwell Hardness	R-Scale	ISO 2039-2/R		89
Physical	Specific Gravity		ISO 1183	g/cm <sup>3</sup>	1,11
Thermal	Temperature of Deflection under Load (HDT)		ISO 75-2/A	°C	162
Mechanical	Tensile Strength	23° C	ISO 527-2/1A/50	MPa	102
	Nominal Tensile Strain at Break	23° C	ISO 527-2/1A/50	%	2,3
	Flexural Strength		ISO 178	MPa	134
	Flexural Modulus		ISO 178	MPa	5400