

HIPRENE HLG72NBE

HiPrene® HLG72NBE is the 20% 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	Charpy Impact Strength Notched	23°C	ISO 179/A/23°C	KJ/m ²	28
Hardness	Rockwell Hardness	R-Scale	ISO 2039-2/R		98
Physical	Specific Gravity		ISO 1183	g/cm ³	1,02
Thermal	Temperature of Deflection under Load (HDT)		ISO 75-2/A	°C	160
	Ash Content	600°C	ISO 3451-1/A600°C	%	20
Mechanical	Tensile Strength	23° C	ISO 527-2/1A/50	MPa	85
	Nominal Tensile Strain at Break	23° C	ISO 527-2/1A/50	%	3,5
	Flexural Modulus	23°C	ISO 178/B	MPa	3900