

## HiPrene® HLG73NHE

Polypropylene Compound-Blended type-Natural color

### Product Description

HiPrene® HLG73NHE 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.

### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method Used</b>	ISO
<b>Availability</b>	Europe/Asia
<b>Features</b>	Glass Fibre Reinforced/Heat resistance/Blended
<b>Typical Customer Applications</b>	Automobile Parts/Home Appliance Parts, Industrial Parts

### Typical Properties

Physical	Symbol	Test Method	Unit	Value
Specific Gravity	$\rho$	ISO 1183	g/cm <sup>3</sup>	1.1
Mechanical	Symbol	Test Method	Unit	Value
Tensile Strength	$\sigma_m$	ISO 527-2/1A/50	MPa	133
Nominal Tensile Strain at Break	$\epsilon_{IB}$	ISO 527-2/1A/50	%	2,4
Flexural Strength	$\sigma_{fm}$	ISO 178	Mpa	150
Flexural Modulus	$E_f$	ISO 178	MPa	5220
Impact	Symbol	Test Method	Unit	Value
Notched IZOD Impact Strength @ 23°C	$a_{IN23^\circ C}$	ISO 180/A/23°C	kJ/m <sup>2</sup>	18
Notched IZOD Impact Strength @ -10°C	$a_{IN-10^\circ C}$	ISO 180/A/-10°C	kJ/m <sup>2</sup>	19
Hardness	Symbol	Test Method	Unit	Value
Rockwell Hardness (R-Scale)	HR-R	ISO 2039-2/R	-	103
Thermal	Symbol	Test Method	Unit	Value
Temperature of Deflection under Load (HDT)	$T_f$	ISO 75-2/A	°C	161

### Notes

Typical properties; not to be constructed as specifications

### Contact

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