

HIPRENE HLG73NBE

HiPrene® HLG73NBE 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

| | Properties | Test condition | Method | Unit | Value |
|------------|--|----------------|-----------------|-------------------|-------|
| Impact | Notched Izod Impact Strength | 23°C | ISO 180/A | J/m | 24 |
| | Notched Izod Impact Strength | -30°C | ISO 180/A/-30°C | KJ/m ² | 21 |
| Hardness | Rockwell Hardness | R-Scale | ISO 2039-2/R | | 90 |
| Physical | Specific Gravity | | ISO 1183 | g/cm ³ | 1,1 |
| Thermal | Temperature of Deflection under Load (HDT) | | ISO 75-2/A | °C | 160 |
| Mechanical | Tensile Strength | 23° C | ISO 527-2/1A/50 | MPa | 99 |
| | Nominal Tensile Strain at Break | 23° C | ISO 527-2/1A/50 | % | 2,8 |
| | Flexural Strength | | ISO 178 | MPa | 137 |
| | Flexural Modulus | | ISO 178 | MPa | 5570 |