

HiPrene® HLG75BE

Polypropylene Compound-Black color

Product Description

HiPrene® HLG75BE is the 50% 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

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

Typical Properties

Physical	Symbol	Test Method	Unit	Value
Specific Gravity	ρ	ISO 1183	g/cm ³	1,28
Mechanical	Symbol	Test Method	Unit	Value
Tensile Strength	σ_m	ISO 527-2/1A/50	MPa	168
Nominal Tensile Strain at Break	ϵ_{IB}	ISO 527-2/1A/50	%	2
Flexural Strength	σ_{fm}	ISO 178	Mpa	189
Flexural Modulus	E_f	ISO 178	MPa	8430
Impact	Symbol	Test Method	Unit	Value
Notched IZOD Impact Strength @ 23°C	$a_{I23^\circ C}$	ISO 180/A/23°C	kJ/m ²	27
Hardness	Symbol	Test Method	Unit	Value
Rockwell Hardness (R-Scale)	HR-R	ISO 2039-2/R	-	100
Thermal	Symbol	Test Method	Unit	Value
Temperature of Deflection under Load (HDT)	T_f	ISO 75-2/A	°C	157

Notes

Typical properties; not to be constructed as specifications

Contact

GS Caltex Czech, s.r.o.

Bohumínská 455/20, Karviná – Staré Město (Nové Pole), 733 01

GPS: N49°52'003``, E018°31'078``

Czech Republic

tel.: 595 390 703; 595 390 724; 595 390 717; +420 725 386 693