

HiPrene® HSG43BE

Polypropylene Compound - Glass Fiber Reinforced - Black Color

Product Description

HiPrene® HSG43BE is 30% glass fiber filled polypropylene compound suitable for injection moulding. This material combines good stiffness, good processability and surface finish. It has been developed for Industrial Parts and Non-visible Automotive Parts. This material is available in black color.

Product Characteristics

Status	Commercial: Active	
Test Method Used	ISO	
Availability	Europe	
Features	Glass Fiber Reinforced	Good Surface Finish
	High Stiffness	Good Processability
Typical Customer Applications	Industrial Parts / Non-visible Automotive Parts	

Typical Properties

Physical	Symbol	Test Method	Unit	Value
Melt Mass-Flow Rate	MFR	ISO 1133	g/10min	4
Specific Gravity	ρ	ISO 1183	g/cm ³	1.1
Mechanical	Symbol	Test Method		
Tensile Strength @ Yield	σ_m	ISO 527-2	MPa	85
Tensile Strain @ Yield	ϵ_B	ISO 527-2	%	4.5
Flexural Modulus ¹ @ 23°C	E_f	ISO 178	MPa	5800
Impact	Symbol	Test Method		
Charpy Impact Strength @ 23°C, notched	$a_{IN23°C}$	ISO 179/1eA	kJ/m ²	12
Hardness	Symbol	Test Method		
Rockwell Hardness (R-Scale)	HR-R	ISO 2039	-	110
Thermal	Symbol	Test Method		
Volatile Matters	-	GS Method	%	0.1
Ash Content @ 600°C	Ash600°C	ISO 3451	%	30

¹ Feed rate 2 mm/min

Notes: Typical properties; not to be constructed as specification

Contact

GS Caltex Czech, s.r.o.

Staroměstská, 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