

HiPrene[®] MT42HS

Polypropylene Compound

Product Description

HiPrene[®] MT42HS is a medium melt flow, 20% mineral filled polypropylene compound. This grade is UV stabilized and has very good impact/stiffness balance. This grade contains anti-scratch agent and primarily is designed for interior parts where is necessary to have high impact and scratch resistance.

Product Characteristics

Status	Commercial: Active
Test Method Used	ISO
Availability	Europe/Asia
Features	Mineral Filler Reinforced/Impact Modified/ UV Stabilized/Anti-Scratch
Typical Customer Applications	Automobile Parts/Interior Visible parts

Typical Properties

Physical	Symbol	Test Method	Unit	Specification
Melt Mass-Flow Rate	MFR	ISO 1133-2/A	g/10min	12 ± 3
Specific Gravity	ρ	ISO 1183	g/cm ³	1,05 ± 0,02
Molding Shrinkage	S _M	ISO 294-4	%	-
Mechanical	Symbol	Test Method	Unit	Specification
Tensile Strength	σ_m	ISO 527-2/1A/50	MPa	20
Nominal Tensile Strain at Break	ϵ_{IB}	ISO 527-2/1A/50	%	60
Flexural Strength	σ_{fm}	ISO 178/B	Mpa	N/A
Flexural Modulus	E _f	ISO 178/B	MPa	1600
Impact	Symbol	Test Method	Unit	Specification
Notched IZOD Impact Strength @ 23°C	a _{I23°C}	ISO 180/A/23°C	kJ/m ²	20
Hardness	Symbol	Test Method	Unit	Specification
Rockwell Hardness (R-Scale)	HR-R	ISO 2039-2/R	-	60
Thermal	Symbol	Test Method	Unit	Specification
Temperature of Deflection under Load (HDT)	T _f	ISO 75-2/A	°C	N/A
Volatile Matters		GS Standard SOP003	%	max. 0,15
Ash Content @ 600°C	Ash _{600°C}	ISO 3451-1/A/600°C	%	20 ± 2

Notes

Typical properties; not to be constructed as specifications

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