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GS Caltex Czech, s.r.o.

HiPrene® MR71E

Polypropylene Compound

Product Description

HiPrene® MR71E is a high melt flow, 15% mineral filled polypropylene compound. The grade has been specifically designed for moulding large complex parts that require high impact strength as well as good stiffness. This product is paintable.

Product Charakteristics

Status	Commercial: Active
Test Method Used	ISO
Availability	Europe
Features	Mineral Filler Reinforced/Paintable
Typical Customer Applications	Automobile Parts-Bumper

Typical Properties

Physical		Symbol	Test Method	Unit	Specification
	Melt Mass-Flow Rate	MFR	ISO 1133-2/A	g/10min	**42**
	Specific Gravity	ρ	ISO 1183	g/cm^3	**1,00**
	Molding Shrinkage	S_M	ISO 294-4	%	
Mechanical		Symbol	Test Method	Unit	Specification
	Tensile Strength	σ_m	ISO 527-2/1A/50	MPa	**15**
	Nominal Tensile Strain at Break	ε_{tB}	ISO 527-2/1A/50	%	**25**
	Flexural Strength	σ_{fm}	ISO 178/B	Mpa	**-**
	Flexural Modulus	E_f	ISO 178/B	MPa	**1300**
Impact		Symbol	Test Method	Unit	Specification
	Notched IZOD Impact Strength @ 23°C	$a_{iN23°C}$	ISO 180/A/23°C	kJ/m^2	**35**
Hardness		Symbol	Test Method	Unit	Specification
	Rockwell Hardness (R-Scale)	HR-R	ISO 2039-2/R	-	**N/A**
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	%	**<0,12**
	Ash Content @ 600°C	$Ash_{600°C}$	ISO 3451-1/A/600°C	%	**15 ± 2**

Notes

Typical properties; not to be constructed as specifications

Contact

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Technical Data Sheet