

HiPrene® MT41DT

Polypropylene Compound

Product Description

HiPrene® MT41DT is a medium melt flow, mineral filler reinforced polypropylene compound. This grade has excellent impact/stiffness balance and it is easy to process. This grade is UV stabilized and has good scratch resistance. It is especially designed for Automotive Interior Parts like a Dashboard, Instrumental Panel, Door Trim, Pillar Trim etc.

Product Characteristics

Status	Commercial: Active
Test Method Used	ISO
Availability	Europe
Features	Mineral Filler Reinforced/UV Stabilized/Scratch resistance
Typical Customer Applications	Automotive-Interior Parts

Typical Properties

Physical	Symbol	Test Method	Unit	Specification
Melt Mass-Flow Rate	MFR	ISO 1133-2/A	g/10min	10
Specific Gravity	ρ	ISO 1183	g/cm ³	1,02
Molding Shrinkage	S _M	ISO 294-4	%	N/A
Mechanical	Symbol	Test Method	Unit	Specification
Tensile Strength	σ_m	ISO 527-2/1A/50	MPa	21
Nominal Tensile Strain at Break	ϵ_{IB}	ISO 527-2/1A/50	%	50
Flexural Strength	σ_{fm}	ISO 178/B	Mpa	N/A
Flexural Modulus	E _f	ISO 178/B	MPa	1350
Impact	Symbol	Test Method	Unit	Specification
Notched IZOD Impact Strength @ 23°C	a _{IN23°C}	ISO 180/A/23°C	kJ/m ²	32
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	120
Volatile Matters		GS Standard SOP003	%	0,1
Ash Content @ 600°C	Ash _{600°C}	ISO 3451-1/A/600°C	%	16

Notes

Typical properties; not to be constructed as specifications

Contact

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