

HiPrene® MT52VF

Polypropylene Compound

Product Description

HiPrene® MT52VF is 20% mineral filled impact modified polypropylene compound. This material is easy to process suitable for injection moulding. It has good impact/stiffness balance, scratch resistance and good flowability for automotive interior part. This grade is available in natural or color-matched, pellet form.

Product Characteristic

Status	Commercial: Active	
Test Method Used	ISO	
Availibility	Europe	
Features	Impact/Stiffness Balance	Good Flowability
	Scratch Resistance	UV Resistance
Typical Customer Applications	Automotive Interior Part	

Typical Properties

Physical	Test Method	Unit	Value
Melt Mass-Flow Rate	ISO 1133	g/10min	18
Specific Gravity	ISO 1183	g/cm ³	1,05
Mechanical	Test Method	Unit	Value
Tensile Stress @ Yield	ISO 527	Mpa	21
Tensile Strain @ Yield	ISO 527	%	5
Flexural Modulus	ISO 178	MPa	1900
Impact	Test Method	Unit	Value
Charpy Impact Strength @ 23°C, notched	ISO 179	kJ/m ²	18
Thermal	Test Method	Unit	Value
Volatile Matters	GS Method	%	0.08
Ash Content @ 600°C	ISO 3451	%	20

Notes: Typical properties; not to be constructed as specification

Processing Techniques

The actual conditions depends on the type of equipment used.

Injection Moulding

HiPrene MT52VF is easy to process with standard injection moulding machines. To avoid residual humidity from transport or storage, the material should be pre-dried approximately 2h at 80°C. Following moulding parameters should be used as guidelines:

Feeding temperature	40 – 80 °C
Mass temperature	210 – 250 °C
Back pressure	Low to medium
Holding pressure	40 – 65 bar
Mould temperature	30 – 50 °C
Screw speed	Low to medium
Injection speed	20 – 100 mm/s

Storage

This material should be stored in dry conditions, protected from sunlight and at temperatures below 50 °C.

Contact

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