

HiPrene MM71T

HiPrene MM71T is a mineral filled, impact modified polypropylene compound suitable for injection moulding. This material has been developed especially for the automotive industry, with perfect scratch resistance and UV stabilisation. It is especially suitable for car interior applications requiring durability, because of its high impact resistance with lower edge roughness during the crush test in car and requiring very high scratch resistance because of friction in the car interior. This material is available in various color-matched grades from

	Properties	Test condition	Method	Unit	Value
Processing	Pre-Drying	2 - 4 h	Dehumidified Dryer	°C	60 - 80
	Molding (Barrel) Temperature	3-Zone screw		°C	210 -250
	Mold Temperature			°C	30 - 50
Impact	Izod Impact Strength	23°C	ASTM D256	J/m	350
Thermal	Temperature of Deflection under Load (HDT)		ASTM D648	°C	130
	Volatile Matters		GS Method	%	0,1
	Ash Content	600°C	GS Method	%	13
Physical	Melt Mass-Flow Rate		ASTM D1238	g/10min	30
	Specific Gravity		ASTM D792	g/cm ³	0,98
Mechanical	Tensile Strain at Break		ASTM D638	%	100
	Tensile Stress at Yield		ASTM D638	MPa	22
	Flexural Modulus	23°C (2mm/min)	ASTM D790	MPa	2450
Hardness	Rockwell Hardness	R-Scale	ASTM D785		70

All values are approximate values and are given after the best knowledge and conscience. Hence, because of variable processing terms or processing procedures an obligation cannot be derived from it.

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