

HiPrene® MT42IN

Polypropylene

GS Caltex

Message:

HiPrene® MT42IN is a 20% mineral filled, elastomer modified polypropylene compound suitable for injection moulding. This material has very good impact/stiffness balance and it's easy to process. This material is paintable and is primarily designed to automotive interior parts like a dashboard and instrumental panel. This grade is available in natural or color- matched, pellet form.

General Information			
Filler / Reinforcement	Mineral filler, 20% filler by weight		
Additive	Impact modifier		
Features	Good dimensional stability		
	Impact modification		
	Rigidity, high		
	Impact resistance, high		
	Workability, good		
Uses	Sprayable		
	Application in Automobile Field		
Appearance	Car dashboard		
	Available colors		
Forms	Natural color		
	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	12	g/10 min	ASTM D1238
Ash Content (600°C)	21	%	Internal method
Volatile Matter	0.10	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	70		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.0	MPa	ASTM D638
Tensile Elongation (Break)	70	%	ASTM D638
Flexural Modulus ¹ (23°C)	2000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	25.0	kJ/m ²	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	

Drying Time	2.0	hr
Hopper Temperature	40.0 - 80.0	°C
Processing (Melt) Temp	210 - 250	°C
Mold Temperature	30.0 - 50.0	°C
Holding Pressure	4.00 - 6.50	MPa

Injection instructions

Back Pressure: Low to MediumScrew Speed: Low to MediumInjection Speed: 100 to 200 m/min

NOTE

- 1.2.0 mm/min

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Recommended distributors for this material


Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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