

HiPrene® MT42

Polypropylene

GS Caltex

Message:

HiPrene® MT42 is a medium melt flow, 20% mineral filled polypropylene compound. This material has good flowability and it is easy to process. Because of it's good impact/stiffness balance is suitable for Industrial Parts and non-visible automotive interior parts. This grade is available in natural or color-matched, pellet form.

General Information			
Filler / Reinforcement	Mineral filler, 20% filler by weight		
Features	Rigidity, high		
	Impact resistance, good		
	Workability, good		
	Medium liquidity		
Uses	Industrial application		
	Application in Automobile Field		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	10	g/10 min	ASTM D1238
Ash Content (600°C)	20	%	Internal method
Volatile Matter	0.10	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus ¹ (23°C)	2700	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	6.00	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

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