HiPrene® M560ST

Polypropylene Impact Copolymer

GS Caltex

Message:

HiPrene® M560ST is polypropylene impact copolymer with good processing stability and medium fluidity. It is intended especially for injection moulding of products where good impact resistance as well as high stiffness is required. This grade is available in different colors.

General Information			
Features	Rigidity, high		
	Impact resistance, good		
	Good processing stability		
	Medium liquidity		
Uses	Battery box		
	Electrical/Electronic Applications		
	Home appliance components		
	Application in Automobile Field		
Appearance	Available colors		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.910	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	30	g/10 min	ASTM D1238
Ash Content (600°C)	1.0	%	Internal method
Volatile Matter	0.10	%	Internal method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	24.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus [1] (23°C)	1650	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	8.50	kJ/m²	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

Recommended distributors for this material

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