

HiPrene® M570

Polypropylene Impact Copolymer

GS Caltex

Message:

HiPrene® M570 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/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	40	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)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus ¹ (23°C)	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	8.00	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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

