

Caltex PP M540S

Polypropylene Impact Copolymer

GS Caltex

Message:

Caltex PP M540S is a Polypropylene Impact Copolymer (PP Impact Copolymer) material. It is available in Asia Pacific for injection molding. Primary attribute of Caltex PP M540S: Impact Resistant.

Typical applications include:

- Appliances
- Automotive
- Electrical/Electronic Applications
- Housings
- Industrial Applications

General Information			
UL YellowCard	E319107-100074932	E119841-312083	E352041-101083970
Features	High Impact Resistance		
Uses	Appliance Components		
	Automotive Applications		
	Battery Cases		
	Electrical Parts		
	Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.5 to 1.8	%	
Across Flow	1.5 to 1.8	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	78		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.5	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	10	%	
Break	> 500	%	
Flexural Modulus	981	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	150	J/m	ASTM D256
Gardner Impact	19.6	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Vicat Softening Temperature	146	°C	ASTM D1525

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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

