

Caltex PP H550S

Polypropylene Homopolymer

GS Caltex

Message:

Caltex PP H550S is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific for injection molding.

Important attributes of Caltex PP H550S are:

- Flame Rated
- Heat Resistant
- High Stiffness
- Homopolymer

General Information			
Features	High Heat Resistance		
	High Stiffness		
	Homopolymer		
Uses	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.903	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.5 to 1.9	%	
Across Flow	1.5 to 1.9	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.3	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	10	%	
Break	> 500	%	
Flexural Modulus	1570	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	125	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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