

Caltex PP HT42

Polypropylene

GS Caltex

Message:

Caltex PP HT42 is a Polypropylene material. It is available in Asia Pacific.

Important attributes of Caltex PP HT42 are:

Flame Rated

Heat Resistant

High Stiffness

Typical applications include:

Appliances

Automotive

Electrical/Electronic Applications

General Information			
UL YellowCard	E319107-100632821	E119841-220381	E352041-101083960
Features	High Heat Resistance		
	High Stiffness		
Uses	Appliance Components		
	Appliances		
	Automotive Applications		
	Electrical Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	9.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.3	%	
Across Flow	1.2	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.3	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	3730	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)	140	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94
Injection	Nominal Value	Unit
Processing (Melt) Temp	210 to 230	°C

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