

# Caltex PP MC42

Polypropylene

GS Caltex

Message:

Caltex PP MC42 is a Polypropylene material. It is available in Asia Pacific.

Important attributes of Caltex PP MC42 are:

Flame Retardant

Heat Resistant

High Gloss

High Stiffness

Typical application of Caltex PP MC42: Electrical/Electronic Applications

General Information			
Features	Flame Retardant		
	High Gloss		
	High Heat Resistance		
	High Stiffness		
Uses	Electrical Parts		
	Electrical/Electronic Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	8.5	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.5	%	
Across Flow	1.4	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	86		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.5	MPa	ASTM D638
Tensile Elongation (Break)	140	%	ASTM D638
Flexural Modulus	1570	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°C	ASTM D648
Vicat Softening Temperature	148	°C	ASTM D1525
Injection	Nominal Value	Unit	
Processing (Melt) Temp	210 to 230	°C	

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