

POLYPRO® CB5108H

Polypropylene Copolymer

YUHWAKorea Petrochemical Ind. Co., Ltd.

Message:

POLYPRO® CB5108H is a Polypropylene Copolymer (PP Copolymer) material. It is available in Asia Pacific for injection molding.

Important attributes of POLYPRO® CB5108H are:

RoHS Compliant

Copolymer

Heat Resistant

High Gloss

High Stiffness

Typical applications include:

Housings

Appliances

Automotive

Food Contact Applications

Household Applications

General Information			
Features	Block Copolymer		
	Good Impact Resistance		
	High Gloss		
	High Heat Resistance		
	High Stiffness		
	Scratch Resistant		
Uses	Appliances		
	Automotive Applications		
	Electrical Housing		
	Household Goods		
	Housings		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.4 to 1.8	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (Yield)	32.4	MPa	ASTM D638
Tensile Elongation (Break)	> 200	%	ASTM D638
Flexural Modulus	1670	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	29	J/m	
25°C	98	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	135	°C	ASTM D648
Vicat Softening Temperature	153	°C	ASTM D1525
Peak Melting Temperature	167	°C	ASTM D3418
RTI Elec	125	°C	UL 746

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