POLYPRO® CB5108

Polypropylene Copolymer

YUHWA Korea Petrochemical Ind. Co., Ltd.

Message:

POLYPRO® CB5108 is a Polypropylene Copolymer (PP Copolymer) material. It is available in Asia Pacific for injection molding.
Important attributes of POLYPRO® CB5108 are:
Flame Rated
RoHS Compliant
Copolymer
Heat Resistant
High Gloss
Typical applications include:
Appliances
Automotive
Food Contact Applications
Household Applications
Housings

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		
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)	31.4	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	34	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
Flammability	**Nominal Value**		**Test Method**
Flame Rating (All Colors)	HB		UL 94

Recommended distributors for this material

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