

POLYPRO® SB9108

Polypropylene Copolymer

YUHW A Korea Petrochemical Ind. Co., Ltd.

Message:

POLYPRO® SB9108 is a Polypropylene Copolymer (PP Copolymer) material. It is available in Asia Pacific for injection molding.

Important attributes of POLYPRO® SB9108 are:

Flame Rated

RoHS Compliant

Copolymer

High Gloss

High Stiffness

Typical applications include:

Automotive

Electrical/Electronic Applications

Food Contact Applications

General Information			
Features	Block Copolymer		
	Good Impact Resistance		
	High Gloss		
	High Stiffness		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
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)	97		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.4	MPa	ASTM D638
Tensile Elongation (Break)	> 200	%	ASTM D638
Flexural Modulus	1470	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)	130	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525
Peak Melting Temperature	168	°C	ASTM D3418
Flammability	Nominal Value		Test Method
Flame Rating (All Colors)	HB		UL 94

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