

POLYPRO® SB9304

Polypropylene Copolymer

YUHWHA Korea Petrochemical Ind. Co., Ltd.

Message:

POLYPRO® SB9304 is a Polypropylene Copolymer (PP Copolymer) material. It is available in Asia Pacific for compounding or injection molding.

Important attributes of POLYPRO® SB9304 are:

RoHS Compliant

Copolymer

Impact Resistant

Typical applications include:

Additive/Masterbatch

Business/Office Goods

Food Contact Applications

Household Applications

Housings

General Information			
Features	Block Copolymer		
	Good Impact Resistance		
Uses	Battery Cases		
	Compounding		
	Household Goods		
	Industrial Applications		
	Stationary Supplies		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	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)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.5	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact			ASTM D256
-20°C	49	J/m	
25°C	490	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525
Peak Melting Temperature	166	°C	ASTM D3418

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