

Sungbo HI-LENE SBPS

Thermoplastic

Sungbo Co., Ltd.

Message:

Sungbo's HI-LENE SBPS is a product manufactured from an automated extruder that is a thermoplastic synthetic resin that was copolymerized in macromolecule state. HI-LENE SBPS has excellent mechanical properties, is easy to mold process, has exceptional electrical characteristics, and depending on the characteristic, is used for products that involve complicated processing. The representative products in which HI-LENE SBPS is used include medicine, food containers, vegetable boxes, stationery, various toys, etc.

General Information			
Filler / Reinforcement	Calcium Carbonate,32% Filler by Weight		
Features	Copolymer		
	Good Electrical Properties		
	Good Moldability		
	Good Processability		
Uses	Electrical/Electronic Applications		
	Food Containers		
	Industrial Applications		
	Masterbatch		
	Packaging		
	Pharmaceuticals		
	Stationary Supplies		
	Toys		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.0500 mm)	0.30 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	42.1	MPa	ASTM D638
Tensile Elongation ¹ (Yield)	2.0	%	ASTM D638
Flexural Strength (23°C)	60.1	MPa	ASTM D790
Flexural Rigidity (23°C)	2.84	GPa	ASTM D790
NOTE			
1.	50 mm/min		

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