

B-310

PP BLOCK COPOLYMER

General Information

Description

B-310 is impact block copolymer which has ethylene-propylene rubber inside homo polypropylene.

This grade can be processed by sheet extrusion. B-310 shows good impact resistance at low temperature and has also high strength.

It has good vacuum molding property, suitable for the production of vacuum molding goods. B-310 is applied to food packaging tray, various industrial sheets.

Applications

- ◆ Vacuum forming use(food packaging tray)
- ◆ Plastic corrugated boards
- ◆ Blow molding goods

Physical Properties ¹					
Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	0.5	g/10min		
Density	ASTM D792	0.9	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	290	kgf/cm ²	28	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	13,000	kgf/cm ²	1,278	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	80.0	kgf·cm/cm	780	J/m
Notched Izod Impact Strength (-10℃)	ASTM D256	4.5	kgf·cm/cm	44	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	110	℃		
Additional Property					
Flammability	UL94	HB			

NOTE

ISO 9001, 14001, /TS 16949

¹ Physical Properties : these are not to be construed as specifications