

# 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<sup>1</sup>

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	0.5	g/10min		
Density	ASTM D792	0.9	g/cm³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	290	kgf/cm²	28	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	13,000	kgf/cm²	1,278	MPa
Impact					
Notched Izod Impact Strength (23 °C)	ASTM D256	80.0	kgf-cm/cm	780	J/m
Notched Izod Impact Strength (-10 °C)	ASTM D256	4.5	kgf-cm/cm	44	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm²)	ASTM D648	110	°C		
Additional Property					
Flammability	UL94	HB			

### NOTE

ISO 9001, 14001, /TS 16949

<sup>1</sup> Physical Properties : these are not to be construed as specifications