

## KOPELEN B-311

## PP BLOCK COPOLYMER

### General Information

#### Description

B-311 is impact block copolymer which has ethylene-propylene rubber inside homo polypropylene.

This grade can be processed by sheet extrusion. B-311 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-311 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/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ASTM D638	320	kgf/cm <sup>2</sup>	31	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	14,500	kgf/cm <sup>2</sup>	1,420	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23℃)	ASTM D256	50.0	kgf·cm/cm	490	J/m
Notched Izod Impact Strength (-10℃)	ASTM D256	4.5	kgf·cm/cm	44	J/m
<b>Thermal</b>					
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	125	℃		
<b>Additional Property</b>					
Flammability	UL94	HB			

#### NOTE

ISO 9001, 14001, /TS 16949

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