

## 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/cm <sup>3</sup>   |       |     |
| <b>Mechanical</b>                                     |             |                |                     |       |     |
| Tensile Stress (Yield)                                | ASTM D638   | 290            | kgf/cm <sup>2</sup> | 28    | MPa |
| Tensile Strain (Break)                                | ASTM D638   | >100           | %                   | >100  | %   |
| Flexural Modulus                                      | ASTM D790   | 13,000         | kgf/cm <sup>2</sup> | 1,278 | MPa |
| <b>Impact</b>   |             |                |                     |       |     |
| 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 |
| <b>Thermal</b>  |             |                |                     |       |     |
| Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> ) | ASTM D648   | 110            | °C                  |       |     |
| <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