Hanwha TotalEnergies

# PP

## Block PP for Sheet/Blow molding

# BB110

**Application**

Sheet, Flat panel sheet, Stationery, Food tray

**Characteristics**

Impact resistance, High melt strength

**Physical properties**

| Item | Test Method | Unit | Typical Value |
|---|---|---|---|
| Melt index | ASTM D1238 | g/10min | 0.5 |
| Density | ASTM D1505 | g/㎤ | 0.91 |
| Tensile strength (at yield) | ASTM D638 | kg/㎠ | 300 |
| Elongation (at break) | ASTM D638 | % | >500 |
| Flexural modulus | ASTM D790 | kg/㎠ | 13,000 |
| Izod Impact Strength (23℃) | ASTM D256 | kg ㎝/㎝ | N.B. |
| Izod Impact Strength (0℃) | ASTM D256 | kg ㎝/㎝ | 12 |
| Izod Impact Strength (-20℃) | ASTM D256 | kg ㎝/㎝ | 8 |
| Rockwell hardness | ASTM D785 | R scale | 82 |
| Heat deflection temperature | HTC Method | ℃ | 110 |

Note) Data shown above are representative values for reference purposes only, and not to be construed as specifications.

**Processing conditions**

| Item | Unit | Typical value |
|---|---|---|
| Cylinder (supply and compression unit) | ℃ | 160 ~ 220 |
| Cylinder (measurement unit) and die unit | ℃ | 200 ~ 240 |

※ Actual injection conditions should be adjusted according to the type of injection machine, mold, and part size.

**Certification**

Hanwha TotalEnergies Petrochemical BB110 satisfies the 21 CFR 177.1520 regulations, the food packaging standards of the U.S. Food and Drug Administration (FDA).
For further inquiries, please contact Customer Technical Service.

## Contact information

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