PP

BB110

Block PP for Sheet/Blow molding

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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