PP

BI451

High stiffness block PP for injection molding

Application

Injection molding, Automotive interior parts, Composite compound base, Household goods parts

Characteristics

High stiffness, Scratch resistance, Thermal resistance

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ASTM D1238	g/10min	8
Density	ASTM D1505	g/㎤	0.91
Tensile strength (at yield)	ASTM D638	kg/㎠	350
Elongation (at break)	ASTM D638	%	>200
Flexural modulus	ASTM D790	kg/㎠	18,000
Izod Impact Strength (23℃)	ASTM D256	kg cm/cm	11
Izod Impact Strength (-20℃)	ASTM D256	kg cm/cm	4.5
Rockwell hardness	ASTM D785	R scale	99
Heat deflection temperature	ASTM D648	℃	135

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

Certification

Hanwha TotalEnergies Petrochemical BI451 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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