

CHANG CHUN PLASTICS CO., LTD.

NO. 301, SONGKIANG ROAD, 7TH FL., TAIPEI, 10477 TAIWAN
TEL : 886-2-2503-8131 (REF) FAX : 886-2- 2501-8018

PBT/ABS 7330H-104 Technical Data

Engineering Plastics Polybutylene Terephthalate

CCP PBT/ABS 7330H-104

PBT/ABS 7330H-104 is a 30% glass fiber reinforced injection molding grade.

Characteristics

- 1) low warpage and excellent dimensionally stable
- 2) excellent electrical property
- 3) excellent temperature resistance, high heat distortion temperature.
- 4) excellent mechanic and chemical property
- 5) excellent weatherability
- 6) excellent wear property
- 7) excellent moldability
- 8) High resistance to fuels, oil, fats and many solvents

Injection Moulding Condition

Cylinder temperatures	: 240-270°C
Nozzle temperature	: 250-270°C
Mould temperature	: 40-120°C, suitable temperature 60-80°C
Injection rate	: middle - fast
Screw speed	: 60-120 rpm, to be chosen in such a way that plasticizing time is just within cooling time.
Pressure	Injection pressure : 500-1200 kg/cm ²
	Holding pressure : 300-800 kg/cm ²
	Back pressure : 0-3 kg/cm ²
Mould shrinkage	Mould shrinkage 1.6 mm thickness horizon is 0.1-0.3% and vertical is 0.5-1.1% under the test method ASTM D955.

Packaging

25 kg/ paper bag .

Material handling

Moisture pick-up from ambient air should be avoided. Keep hopper properly closed.

CHANG CHUN PLASTICS CO., LTD.

NO. 301, SONGKIANG ROAD, 7TH FL., TAIPEI, 10477 TAIWAN
TEL : 886-2-2503-8131 (REF) FAX : 886-2- 2501-8018

Engineering Plastics Polybutylene Terephthalate

CCP PBT/ABS 7330H-104

Property	Value	Unit	Test method ASTM
Glass Fiber Content	30	%	
Specific gravity	1.40	-	D792
Melting point	225	°C	DSC
Heat deflection temperature under load --- 18.6 kg/cm ²	160	°C	D648
Flammability acc. to UL94, 1.6 mm thickness	HB	-	UL94
Tensile strength	1000	kg/cm ²	D638
Tensile elongation	3.5	%	
Flexural strength	1300	kg/cm ²	D790
Flexural modulus	60000	kg/cm ²	D790
Izod impact strength – notched 1/4"	9.5	kg.cm/cm	D256
Dielectric strength, 2 mm thickness	21	KV/mm	D149
Volume resistivity	10 ¹⁵	Ω-cm	D257
Surface resistivity	10 ¹¹	Ω	D257
Arc resistance	80	Sec	D495
Hardness - rockwell	80	M	D785

(1) For reference only.

(2) All data in the table are the typical values of the material and not the minimum values of the material specifications.