

CHANG CHUN CHEMICAL(ZHANGZHOU) CO., LTD.

No.1 Baosheng Rd, Jiaomei Town, Taiwanese Investment Zone, Zhangzhou, Fujian, China

TEL : 86-596-6269085 FAX : 86-596- 6269688

Engineering Plastics Polybutylene Terephthalate

PBT 5829FNC Technical Data

CCP PBT 5829FNC

PBT 5829FNC is a glass fiber reinforced injection moulding grade.

PBT 5829FNC 为玻璃纤维强化聚丁烯对苯二甲酸酯复合材料

Characteristics 品质特性

- 1)excellent electrical property 优越的电气性质
- 2)excellent mechanic and chemical property 优越的机械与耐化学特性
- 3)excellent weatherability 耐候性佳
- 4)excellent wear property 耐磨耗性佳
- 5)excellent moldability 优越的成型性
- 6)High resistance to fuels, oil, fats and many solvents 高抗燃料、油料、溶剂特性

Injection Moulding Condition

Cylinder temperatures : 240-270℃

料管温度

Nozzle temperature : 260-270℃

射嘴温度

Mould temperature : 40-120℃, suitable temperature 60-80℃

模温

Injection rate : middle – fast

射速

Screw speed : 60-120 rpm, to be chosen in such a way that plasticizing time is just within cooling time.

螺杆转速

Pressure Injection pressure : 50-120 MPa

压力

射压

Holding pressure : 30-80 MPa

保压

Back pressure : 0-0.3 MPa

背压

Feed tube retention time : ≤2Minute

料管滞留时间

Drying: temperature*time : 120℃*4hr / 140℃*3hr

烘料: 温度*时间

Packaging 包装

25 kg/ paper bag 纸袋包装 25kg

Material handing

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

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Property 品质特性	Value 测试值	Unit 单位	Test method 测试方法
Specific gravity 比重	1.54	g/cm ³	ISO 1183
Melting point 熔点	225	°C	ISO 11357
Heat deflection temperature under load 热变形温度 --- 1.8 MPa	200	°C	ISO 75
--- 0.45 MPa	220	°C	ISO 75
Moisture absorption (24h) 吸水率	0.03	%	ISO 15512
Flammability acc. to UL94, 3.0 mm thickness (耐燃性)	V-0	-	UL94
Tensile strength 拉伸强度	125	MPa	ISO 527
Tensile elongation 拉伸伸长率	2.2	%	ISO 527
Flexural strength 弯曲强度	180	MPa	ISO 178
Flexural modulus 弯曲弹性率	8800	MPa	ISO 178
Izod impact strength – notched(moulded-in) 冲击强度	7.5	KJ/m ²	ISO 180
Dielectric strength, 2 mm 绝缘破坏强度	20	KV/mm	IEC 60243
Volume resistivity 体积阻抗率	10 ¹⁵	Ω -cm	IEC 60093
Surface resistivity 表面阻抗率	10 ¹²	Ω	IEC 60093

※表中提供的数据为该材料典型值，非最小或最大规格值。

(1) For reference only.

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