

CHANG CHUN CHEMICAL(ZHANGZHOU) CO., LTD.

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

Engineering Plastics

PA66

PA 20G3104

Technical Data

CCP PA 20G3104

PA 20G3104 is a 15% glass fiber reinforced injection moulding grade.

PA 20G3104 為 15%玻璃纖維強化聚醯胺 66 複合材料

Characteristics 品質特性

- 1)Excellent mechanic and compressive strength 優越的機械與抗壓強度
- 2)Excellent fatigue durability 優越的耐疲勞性
- 3)Excellent moldability 優越的成型性
- 4)High resistance to fuels, oil, fats and many solvents 高抗燃料、油料、溶劑特性

Injection Moulding Condition 建議注塑條件

Cylinder temperatures : 265-285°C

料管溫度

Nozzle temperature : 285-295°C

射嘴溫度

Mould temperature : 40-120°C, suitable temperature 60-80°C

模溫

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.

螺桿轉速

Pressure Injection pressure : 50-120 MPa

壓力

射壓

Holding pressure : 30-80 MPa

保壓

Back pressure : 0-0.3 MPa

背壓

Packaging 包裝

25 kg/ aluminum foil bag. 25 kg/鋁箔紙袋包裝

Material handing 保存方法

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

避免吸濕，密封保存

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Property 品質特性	Value 測試值	Unit 單位	Test method ISO
Density 密度	1.24	g/cm ³	1183
Melting Point 熔點	265	°C	11357
Heat deflection temperature under load 熱變形溫度 --- 1.8MPa	237	°C	75
--- 0.45MPa	250	°C	75
Tensile Strength 拉伸強度	120	MPa	527
Tensile Elongation 拉伸伸長率	3.3	%	527
Flexural Strength 撓曲強度	180	MPa	178
Flexural Modulus 撓曲模量	5000	MPa	178
Izod Impact Strength – Notched(moulded-in) 衝擊強度	5.5	kJ/m ²	180
Dielectric Strength, 2 mm 絕緣破壞強度	25	kV/mm	ASTM D149
Comparative Tracking Index 漏電起痕指數	600	V	IEC 60112
Flammability 耐燃性	HB	/	UL94

(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.

※以上數據僅為典型值，而非規格值。