

CHANG CHUN CHEMICAL(ZHANGZHOU) CO., LTD.

Baosheng Rd, Longchi Industry Park, Taiwanese Investment Zone, Zhangzhou, Fujian, China
TEL : 86-596-6269085 FAX : 86-596- 26269688

Engineering Plastics

Nylon-66

PA 20G3

Technical Data

CCP PA 20G3

PA 20G3 is a glass fiber 15% reinforced injection moulding grade.

PA 20G3為 15%玻璃纖維強化聚酰胺 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 heat-resistant優越的耐熱性
- 3)excellent wear property優越的耐磨耗性
- 4)excellent fatigue durability優越的耐疲勞性
- 5)excellent moldability優越的成型性
- 6)High resistance to fuels, oil, fats and many solvents高抗燃料、油料、溶劑特性

Injection Moulding Condition

Cylinder temperatures : 265-285°C
料管溫度

Nozzle temperature : 290-300°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
螺桿轉速 plasticizing time is just within cooling time.

Pressure Injection pressure : 500-1200kg/cm²
壓力 射壓

Holding pressure : 300-800kg/cm²
保壓

Back pressure : 0-3kg/cm²
背壓

Packaging包裝

25kg/aluminum foil bag 铝箔紙袋包裝 25kg

Material handing

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

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Property 品質特性	Value 測試值	Unit 單位	Test method ASTM
Ash灰份	15	%	
Specific gravity比重	1.22	-	D792
Melting point熔點	264	°C	DSC
Molding shrinkage成型收縮率	0.5-1.1	%	D955
Heat deflection temperature under load			
熱變形溫度 --- 18.6kg/cm ²	249	°C	D648
--- 4.6kg/cm ²	256	°C	D648
Tensile strength引張強度	1200	kg/cm ²	D638
Flexural strength撓曲強度	1800	kg/cm ²	D790
Flexural modulus撓曲彈性率	51000	kg/cm ²	D790
Izod impact strength衝擊強度	7	kg.cm/cm	D256
Dielectric strength, 2mm絕緣破壞強度	25	kV/mm	D149
Comparative Tracking Index漏電起痕指數	600	V	D3638

(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.

※以上数据仅为典型值，而非规格值。