

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 21G6

Technical Data

CCP PA 21G6

PA 21G6 is a flame retarded injection moulding grade.

PA 21G6 阻燃強化聚酰胺 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 : 265-300°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 : 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/ paper bag 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 ISO
Density密度	1.65	-	1183
Melting point熔點	265	°C	DSC
Molding shrinkage成型收縮率	0.4-0.8	%	294
Heat deflection temperature under load 熱變形溫度 --- 1.8MPa	248	°C	75
--- 0.45MPa	259	°C	75
Tensile strength拉伸強度	100	kg/cm ²	527
Tensile Elongation拉伸伸長率	2.5	%	627
Flexural strength撓曲強度	150	kg/cm ²	178
Flexural modulus撓曲彈性率	5500	kg/cm ²	178
Izod impact strength衝擊強度	10.0	kg.cm/cm180	
Dielectric strength, 2mm絕緣破壞強度	25	kV/mm	IEC 60243-1
Comparative Tracking Index漏電起痕指數	250	V	IEC 60112
耐燃性 (0.8mm)	V-0	/	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.

※以上数据仅为典型值，而非规格值。

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