

# 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-6

## PA 11G0-201B Technical Data

### CCP PA 11G0-201B

PA 11G0-201B is a flame retarded injection moulding grade.

PA 11G0-201B 阻燃強化聚酰胺 6 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 : 240-260°C  
料管溫度

Nozzle temperature : 260-270°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/cm<sup>2</sup>  
壓力 射壓

Holding pressure : 300-800kg/cm<sup>2</sup>  
保壓

Back pressure : 0-3kg/cm<sup>2</sup>  
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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#### CCP PA-11G0-201B

Property 品質特性	Value 測試值	Unit 單位	Test method ISO
Density密度	1.31	g/cm <sup>3</sup>	1183
Melting point熔點	225	°C	DSC
Heat deflection temperature under load 熱變形溫度 --- 1.8MPa	60	°C	75
--- 0.45MPa	180	°C	75
Tensile strength拉伸強度	65	Mpa	527
Tensile Elongation拉伸伸長率	45	%	527
Flexural strength撓曲強度	105	Mpa	178
Flexural modulus撓曲彈性率	2500	Mpa	178
Izod impact strength衝擊強度	7.0	KJ/m <sup>2</sup>	180
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。