

# 國喬石油化學股份有限公司

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## 國喬尼龍66-N200GL物性表

### TYPICAL PROPERTIES OF GPPC'S PA66-N200GL RESINS

項 目 Items		試驗方法 Test Methods	實驗狀況 Test Conditions	單 位 Units	N200GL
					DAM
Physical	比重 Specific Gravity	ISO1183		g/cm <sup>3</sup>	1.14
	水份water absorption	ISO15512		%	0.35
	黏度Relative Viscosity	ISO307			2.7
	Yellow Index	ASTM D-1925			-1
	模具收縮率 Molding shrinkage	ISO194-4		Normal,2mm% Paralle,2mm%	1.4 1.4
	Mechanical	抗張強度 Tensile Strength at Yield	ISO527	23°C	MPa
抗張係數 Tensile Modulus		ISO527	23°C	MPa	3300
斷裂伸長率 Normal Strain at break		ISO527	23°C	%	23
抗折強度 Flexural Strength at Yield		ISO178	23°C	MPa	100
抗折係數 Flexural Modulus		ISO178	23°C	MPa	2680
簡支梁衝擊強度 Unnotched Charpy Impact Strength		ISO 179/1eU	23°C	KJ/m <sup>2</sup>	**
簡支梁缺口衝擊強度 Notched Charpy Impact Strength		ISO 179/1eA	23°C	KJ/m <sup>2</sup>	**
懸臂梁缺口衝擊強度 Izod notched Impact Strength		ASTM D-1238	23°C	KJ/m <sup>2</sup>	4
硬度 Rockwell Hardness		ISO2039/2	23°C	R scale	120
Thermal		熱變形溫度 Heat Deflection Temperature	ISO75	0.45Mpa 1.80Mpa	°C (°F) °C (°F)
	熔融溫度 Melting Temperture	ISO11357	DSC	°C	260
	線性膨脹係數 Coefficient of linear thermal expansion	ISO11359		E-5/°C	**
	UL燃燒等級 UL Flame class rating	UL-94			V2
Electrical	體積電阻率Volume resistivity 2.0mm	IEC60093		ohm	**
	表面電阻率Surface resistivity	IEC60093		Ohm*m	**
	介電強度Dielectric Strength 1.0mm	IEC60243		Kv/mm	**
	耐電壓指數 CTI 3.0mm	IEC60112		Volts	**
Processing	熔融溫度範圍Melt Temperature Range			°C	260~300
	模溫範圍Mold Temperature			°C	50~90
	乾燥時間Drying Time			h	4~6
	乾燥溫度Drying Temperature			°C	80~90
	加工水份含量Processing moisture content			%	<0.5

These property values are believed to be specific test conditions and are not intended to serve as product speci.

For more detailed information, please contact your GPC Sales Representatives.