



# 國喬石油化學股份有限公司

## GRAND PACIFIC PETROCHEMICAL CORPORATION

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### 國喬尼龍 66- N200SL 物性表

#### TYPICAL PROPERTIES OF GPPC'S PA66-N200SL RESIN

VERSION : 1.0

項 目 Items	試驗方法 Test Methods	實驗狀況 Test Conditions	單 位 Units	N200SL
				DAM
物理性質 Physical Properties				
比重 Specific Gravity	ISO1183	23°C	g/cm <sup>3</sup>	1.14
模具收縮率 Molding shrinkage				
2mm - Normal	ISO294-4		%	1.4
2mm - Parallel			%	1.4
機械性質 Mechanical Properties				
抗張強度 Tensile Strength at Yield	ISO527	23°C	MPa	83
抗張係數 Tensile Modulus	ISO527	23°C	MPa	3100
斷裂伸長率 Normal Strain at break	ISO527	23°C	%	25
抗折強度 Flexural Strength at Yield	ISO178	23°C	MPa	98
抗折係數 Flexural Modulus	ISO178	23°C	MPa	2800
簡支梁缺口衝擊強度 Notched Charpy Impact Strength	ISO179	23°C -30°C	KJ/m <sup>2</sup> KJ/m <sup>2</sup>	6 4.5
簡支梁無缺口衝擊強度 Unnotched Charpy Impact Strength	ISO179	23°C -30°C	KJ/m <sup>2</sup> KJ/m <sup>2</sup>	NB NB
硬度 Rockwell Hardness	ISO2039/2	23°C	R scale	120
熱性質 Thermal Properties				
熱變形溫度 Heat Deflection Temperature	ISO75	0.45Mpa 1.80Mpa	°C (°F) °C (°F)	200 (392) 70 (158)
熔融溫度 Melting Temperture	ISO11357	DSC	°C	260
UL燃燒等級 UL Flame class rating	UL-94			V2
電氣性質 Electrical Properties				
體積電阻率Volume resistivity 2.0mm	IEC60093		Ohm-cm	1.00E+13
表面電阻率Surface resistivity	IEC60093		Ohm	1.00E+12
介電強度Dielectric Strength 1.0mm	IEC60243		Kv/mm	35
耐電壓指數 CTI 3.0mm	IEC60112		Volts	>600
加工條件 Processing				
熔融溫度範圍Melt Temperature Range			°C	280~300
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
加工水份含量Processing moisture content			%	<0.2

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

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