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## 尼龍-6 – 30%玻璃纖維及高沖擊級 PA-6 – 30% GLASS FIBER & HIGH IMPACT GRADE NYLON TECHNYL C246 V30

性能 Properties		測驗方法 Test Method	單位 Units	相對濕度% EH %	TECHNYL C246 V30
<b>物理性能</b> Physical Properties					
填充成份 Filler Content		-	%	-	30
比重 Density		ISO 1183	g/cm <sup>3</sup>	0–23°C	1.32
吸水率 Water Absorption	24h in water at 23°C	ISO 62	%	0–23°C	0.95
<b>熱性能</b> Thermal Properties					
融點 Melting Point		ISO 3146-C	°C	0–23°C	222
線性膨脹系數 Coefficient of Linear Expansion	Long it. 23°C – 80°C	ASTM E831	°C	0–23°C	3
熱變形溫度 Heat Deflection Temperature	1.8 MPa	ISO 75-2	°C	0–23°C	195
燃燒性 Flammability		UL-94	-	-	HB (1.5mm)
<b>機械性能</b> Mechanical Properties					
拉伸強度 Tensile Strength	Strain at Yield	ISO 527	MPa	0–23°C	4
	Stress at break			50–23°C	7
彎曲模量 Flexural Modulus	Stress at break	ISO 178	MPa	0–23°C	140
				50–23°C	90
彎曲強度 Flexural Strength	Stress at break	ISO 178	MPa	0–23°C	8,000
				50–23°C	5,200
拉伸模量 Tensile Modulus	Stress at break	ISO 178	MPa	0–23°C	250
				50–23°C	140
Charry 衝擊強度 Charpy Impact Strength	缺口 Notched	ISO 179/1eA	kJ/m <sup>2</sup>	0–23°C	8,200
				50–23°C	5,400
Charry 衝擊強度 Charpy Impact Strength	缺口 Notched	ISO 179/1eU	kJ/m <sup>2</sup>	0–23°C	18
				50–23°C	30
Izod 衝擊強度 Izod Impact Strength	缺口 Notched	ISO 180	kJ/m <sup>2</sup>	0–23°C	86
				50–23°C	102
電性能 Electrical Properties	體積電阻系數 Volume Resistivity	IEC 93	Ω.cm	0–23°C	17
				50–23°C	29
表面電阻系數 Surface Resistivity	體積電阻系數 Volume Resistivity	IEC 93	E14. Ohm	0–23°C	10
				50–23°C	0.001
耐電壓 Dielectric Strength	體積電阻系數 Volume Resistivity	IEC 243-1	kV/mm	0–23°C	0.1
				50–23°C	0.001
相對介電常數 Relative Permittivity	1 MHz	IEC 250	-	0–23°C	-
				50–23°C	21
介電損耗因數 Dissipation Factor	1 MHz	IEC 250	-	0–23°C	3.7
				50–23°C	4.5
介電損耗因數 Dissipation Factor	1 MHz	IEC 250	-	0–23°C	0.021
				50–23°C	0.1

上列數據任僅供參考，並不為此承擔任何責任和保證。

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