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尼龍-6 — 30%玻璃纖維級 PA-6 — 30% GLASS FIBER GRADE NYLON TECHNYL C 216 V30

性能 Properties	測驗方法 Test Method	單位 Units	測試條件 Conditions	相對濕度% RH %	TECHNYL C 216 V30
物理性能 Physical Properties					
填充成份 Filler Content	-	%	-	-	30
比重 Density	ISO 1183	g/cm ³	-	-	1.35
吸水率 Water Absorption	ISO 62	%	24h in water at 23°C	-	0.95
收縮率 Molding Shrinkage	Nyltech	%	parallel	-	0.3
			vertical		0.7
熱性能 Thermal Properties					
融點 Melting Point	ISO 3146-C	°C	DSC	-	222
熔融溫度 Melt Temperature	-	°C	-	-	230 - 260
模溫度 Mould Temperature	-	°C	-	-	80 - 100
注膠速度 Injection Speed	-	°C	-	-	120 - 170
線性膨脹係數 Coefficient of Linear Expansion	ASTM E831	10 ⁻⁵ K ⁻¹	longit. 23°C-85°C	-	3.2
熱變形溫度 Heat Deflection Temperature	ISO 75-2	°C	1.8MPa	-	205
機械性能 Mechanical Properties					
拉伸強度 Tensile Strength	ISO 527-2	MPa	斷裂強度/最大負荷 stress at break /max load	0% / 50%	190 / 110
斷裂伸長率 Nominal Elongation At Break	ISO 527-2	%	-	0% / 50%	3.8 / 4.5
拉伸模量 Tensile Modulus	ISO 527-2	MPa	-	0% / 50%	9,600 / 6,200
Charry 衝擊強度 (非缺口) Charpy Impact Strength (unnotched)	ISO 179 / 1eU	kJ/m ²	-	0% / 50%	100 / 108
Charry 衝擊強度 (缺口) Charpy Impact Strength (notched)	ISO 179 / 1eA	kJ/m ²	-	0% / 50%	15 / 31.5
Izod 衝擊強度 (缺口) Izod Impact Strength (notched)	ISO 180 / 1A(93)	kJ/m ²	-	0% / 50%	14 / 24
電性能 Electrical Properties					
體積電阻係數 Volume Resistivity	IEC 93	Ω.cm	-	0% / 50%	10 ¹⁵ / 10 ¹¹
耐電壓 Dielectric Strength	IEC 243	kV/mm	-	0% / 50%	- / 22
介電損耗因數 Dissipation Factor	IEC 250	-	1MHz	0% / 50%	0.02 / 0.0009
相對介電常數 Relative Permittivity	IEC 250	-	1MHz	0% / 50%	3.8 / 4.5
抗電弧痕跡指數 Comparative Tracking Index	IEC 112	V	CTI	0% / 50%	550
燃燒性能 Flammability					
燃燒性 Flammability	UL 94	-	-	-	HB (1.5mm)

上列數據僅供參考，並不為此承擔任何責任和保證。

The data are intended as a general guide only, makes no guarantee of results and assumes no obligation or liability.