



雅各臣(香港)有限公司

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尼龍-66 — 耐衝擊級 PA-66 — IMPACT MODIFIED GRADE NYLON TECHNOL A 246M

性能 Properties	測驗方法 Test Method	單位 Units	測試條件 Conditions	相對濕度 % RH %	TECHNOL [®] A 246M
物理性能 Physical Properties					
比重 Density	ISO 1183	g/cm ³	-	-	1.08
吸水率 Water Absorption	ISO 62	%	24h in water at 23°C	-	1.05
收縮率 Mold Shrinkage	Nyltech	%	direction // direction T	-	1.9 1.9
熱性能 Thermal Properties					
融點 Melting Point	ISO 3146-C	°C	DSC	-	260
線性膨脹系數 Coefficient of Linear Expansion	ASTM E831	10 ⁻⁵ K ⁻¹	longit. 23°C-80°C	-	7
熱變形溫度 Heat Deflection Temperature	ISO 75-2	°C	0.45 MPa 1.8 MPa	-	190 65
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	-	47 / 42
斷裂伸長率 Nominal Elongation (At Break)	ISO 527-2	%	-	0% / 50%	>50 / >50
拉伸模量 Tensile Modulus	ISO 527-2	MPa	-	0% / 50%	1,900 / 600
彎曲強度 Flexural Strength	ISO 178	MPa	斷裂強度/最大負荷 stress at break /max load	0% / 50%	70 / 27
彎曲模量 Flexural Modulus	ISO 178	MPa	-	0% / 50%	1,800 / 700
Charry 衝擊強度 (非缺口) Charpy Impact Strength (unnotched)	ISO 179 / 1eU	kJ/m ²	-	0% / 50%	NB / NB
Charry 衝擊強度 (缺口) Charpy Impact Strength (notched)	ISO 179 / 1eA	kJ/m ²	-	0% / 50%	55 / 100
Izod 衝擊強度 (缺口) Izod Impact Strength (notched)	ISO 180 / 1A(93)	kJ/m ²	-	0% / 50%	60 / 80
電性能 Electrical Properties					
體積電阻系數 Volume Resistivity	IEC 93	Ω.cm	-	0% / 50%	10 ¹⁵ / 10 ¹³
表面電阻系數 Surface Resistivity	IEC 93	Ω	-	0% / 50%	10 ¹⁴ / 10 ¹³
耐電壓 Dielectric Strength	IEC 243-1	kV/mm	-	0% / 50%	30 / 38
相對介電常數 Relative Permittivity	IEC 250	-	50 Hz 1 MHz	0% / 50%	3.5 / 6 3.2 / 4
介電損耗因數 Dissipation Factor	IEC 250	-	50 Hz 1 MHz	0% / 50%	0.005 / 0.01 0.02 / 0.06
抗電弧痕跡指數 Comparative Tracking Index	IEC 112	V	CTI / CTI M	0%	575 / 450
燃燒性能 Flammability					
氧指數 Oxygen Index	ISO 4589	%	-	-	24.5
燃燒性 Flammability	UL 94	-	-	-	HB

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.