



Jacobson van den Berg (Hong Kong) Ltd.

8/F, Hong Kong Spinners Ind. Bldg., Phase 6, 481-483 Castle Peak Road, Kowloon, Hong Kong
香港九龍青山道481-483號 Tel : (852) 2828 9328
香港紗廠工業大廈第六期8樓 Fax: (852) 2828 9408



尼龍-6 — 高衝擊級 PA-6 — HIGH IMPACT GRADE NYLON TECHNYL C246

性能 Properties		測驗方法 Test Method	單位 Units	相對濕度% EH %	TECHNYL C246
物理性能 Physical Properties					
比重 Density		ISO 1183	g/cm ³	0-23°C	1.2
吸水率 Water Absorption	24h in water at 23°C	ISO 62	%	0-23°C	1.2
熱性能 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	7
熱變形溫度 Heat Deflection Temperature	1.8 MPa	ISO 75-2	°C	0-23°C	60
燃燒性 Flammability		UL-94	-	-	HB
機械性能 Mechanical Properties					
拉伸強度 Tensile Strength	Strain at yield	ISO 527	MPa	0-23°C	38
	Stress at break			50-23°C	34
				0-23°C	170
				50-23°C	220
彎曲模量 Flexural Modulus		ISO 178	MPa	0-23°C	1,550
				50-23°C	400
彎曲強度 Flexural Strength	Stress at break	ISO 178	MPa	0-23°C	70
				50-23°C	25
拉伸模量 Tensile Modulus		ISO 527	MPa	0-23°C	1,600
				50-23°C	500
Charpy 衝擊強度 Charpy Impact Strength	缺口 Notched	ISO 179/1eA	kJ/m ²	0-23°C	82
				50-23°C	NB
Charpy 衝擊強度 Charpy Impact Strength		ISO 179/1eU	kJ/m ²	0-23°C	NB
				50-23°C	NB
Izod 衝擊強度 Izod Impact Strength	缺口 Notched	ISO 180	kJ/m ²	0-23°C	80
				50-23°C	NB
電性能 Electrical Properties					
體積電阻系數 Volume Resistivity		IEC 93	Ω.cm	0-23°C	10
				50-23°C	0.001
表面電阻系數 Surface Resistivity		IEC 93	E14. Ohm	0-23°C	0.1
				50-23°C	0.001
耐電壓 Dielectric Strength		IEC 243-1	kV/mm	0-23°C	—
				50-23°C	18
相對介電常數 Relative Permittivity	1 MHz	IEC 250	-	0-23°C	3.5
				50-23°C	4
介電損耗因數 Dissipation Factor	1 MHz	IEC 250	-	0-23°C	0.02
				50-23°C	0.12

上列數據僅供參考，並不為此承擔任何責任和保證。

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