

Technical Data Sheet

特性 Properties	測試方法 Test Method	單位 Unit	CM3004-VO	
			乾燥	吸濕
物理性質 Physical Properties				
密度 Density (23° C)	ISO 1183	g/cm ³	1.19	-
收縮率 Mold Shrinkage (1.00mm)	Internal Method	%	0.6~0.9	-
收縮率 Mold Shrinkage (3.00mm)	Internal Method	%	1.0~1.6	-
吸水率 Water Absorption (24hr, 23° C)	ISO 62	%	1.1	-
吸水率 Water Absorption (飽和, Saturation, 23° C)	ISO 62	%	7.5	-
機械性質 Mechanical Properties				
拉伸強度 Tensile Stress (23° C)	ISO 527-2	MPa	85	65
拉伸強度 Tensile Stress (80° C)	ISO 527-2	MPa	45	-
斷裂拉伸強度 Tensile Strain at Break (23° C)	ISO 527-2	%	7.5	7.5
彎曲模量 Flexural Strength (23° C)	ISO 178	MPa	3500	1500
彎曲模量 Flexural Strength (80° C)	ISO 178	MPa	1200	-
彎曲強度 Flexural Stress (-40° C)	ISO 178	MPa	170	-
彎曲強度 Flexural Stress (23° C)	ISO 178	MPa	125	70
彎曲強度 Flexural Stress (80° C)	ISO 178	MPa	65	-
耐磨性 Taber Abrasion Resistance (1000 Cycles)	ISO 9352	mg	9-10	-
衝擊性質 Impact				
缺口衝擊強度 Charpy Notched Impact Strength (-40° C)	ISO 179	kJ/m ²	4.5	-
缺口衝擊強度 Charpy Notched Impact Strength (23° C)	ISO 179	kJ/m ²	4.5	13.0
衝擊強度 Charpy Unnotched Impact Strength (23° C)	ISO 179	kJ/m ²	135.0	No Break
洛氏硬度 Rockwell Hardness (23° C)	ISO 2039-2	H ₂	120	-
熱性質 Thermal Properties				
熱變形溫度 Heat Deflection Temp. (0.45 MPa)	ISO 75-2/B	°C	244	-
熔融溫度 Melting Temperature	DSC	°C	265	-
電氣性質 Electrical				
體積電阻率 Volume Resistivity	ISO 60093	ohms · m	1.0E+13	-
介電強度 Electric Strength	ISO 60243-1	kV/mm	28	-
介電常數 Dielectric Constant (23° C, 1 MHz)	ISO 60250		5.2	-
耗散因數 Dissipation Factor (23° C, 1 MHz)	ISO 60250		0.070	-
耐電弧性 Arc Resistance	UL 746	sec	127	-
相對漏電起痕指數 Comparative Tracking Index (CTI)	UL 746A	V	> 600	-
可燃性 Flammability				
燃燒率 Flame Rating (0.25mm)	UL94	—	V-0	V-0