



NE1063 Properties

DESCRIPTION: NE1063 grade is a high gloss nanonylon 6. Extremely high gloss; scratch resistance; passing leaching tests of food container.

Application: Frame and cover of 3C product.

特性 Properties	測試方法 Test Method	單位 Unit	NE1063	
			高光澤 High Gloss	
			DAM	50%RH
拉伸強度 Tensile Strength	ASTM D-638	Mpa	92	85
拉伸斷裂伸長率 Tensile Strain at Break	ASTM D-638	%	5.0	5.2
彎曲強度 Flexural Strength	ASTM D-790	Mpa	127	117
彎曲模數 Flexural Modulus	ASTM D-790	Mpa	3620	3160
衝擊強度 IZOD, 切角 IZOD Impact Strength, Notched	ASTM D-256	J/M 23°C	50	55
熱變形溫度 Heat Deflection Temperature at 1.82Mpa	ASTM D-648	°C	114	—
熔融指數 (230°C, 5kgs) Melt Flow Index at 230°C, 2.16kgs	ASTM D-1238	g/10min	65	—
比重 Specific Gravity	ASTM D-792	g/cm ³	1.144	
熔點 Melting Point	ASTM D-789	°C	—	
吸水率 (50%RH, 24hrs) Water Absorption, 50%RH	ASTM D-570	%	0.17	
吸水率 (浸於水中, 24hrs) Water Absorption, In Water	ASTM D-570	%	0.9	
成形收縮率 (流動方向) Mold Shrinkage (MD)	ASTM D-955	%	—	

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