



Liquid Crystal Polymer OCTA LD-235

General properties	試驗方法 (Test Method)	35% Glass fiber & filler	
物理性質 Physical	ASTM	單位 (Unit)	
比重	D-792		1.67
Specific gravity			
吸水率 23°C/24時間(在水裏)	D-570	%	0.01
Water absorption (23°C/24hrs/in water)			
成形收縮率 MD / TD	DIC	%	0.1 / 0.5
Mold shrinkage			
機械的性質 / Mechanical	ASTM	單位 (Unit)	
拉伸強度	D-638	Mpa	150
Tensile Strength			
拉伸彈性率	D-638	Mpa	10000
Tensile modulus			
拉伸斷裂拉長	D-638	%	3.2
Tensile elongation at break			
布阿松分配比率	DIC	-----	0.37
Poisson' ratio			
彎曲強度	D-790	Mpa	190
Flexural strength			
彎曲彈性率	D-790	Mpa	12000
Flexural modulus			
彎曲斷裂拉長	D-790	%	3.2
Flexural elongation at break			
擇錘式衝擊強度 (附有/無缺口)	D-256	J/m	100
Izod impact strength (notched / un-notched)			
洛氏硬度, RM	D-785	-----	114
Rockwell hardness			
熱的性質 / Thermal	ASTM	單位 (Unit)	
負載彎曲溫度 (1.82Mpa)	D-648	°C	265
Distortion Temp. (under load, 1.82Mpa)			
負載彎曲溫度 (0.45Mpa)	D-648	°C	280
Distortion Temp. (under load, 0.452Mpa)			
線熱膨脹系數 ^c , -30° ~ 150°C MD / TD	DIC	x 10 ⁵ / °C	0.8 / 2.8
Co-eff.Of thermal expansion			
界限酸素指數	JISK7201-2	-----	43
Limiting Oxygen Index (LOI)			
UL燃燒性, t ≈ 0.2mm	UL-94	-----	V - 0
UL Flammability			
電氣性質 / Electrical	ASTM	單位 (Unit)	
絕緣破壞強度 t=1mm / 23°C	D-149	kv/mm	33
Dielectric strength			
介電常數(電容率), 1KHz	D-150	-----	4.8
Dielectric constant			
介質損耗角正切, 1KHz	D-150	-----	0.016
Dissipation factor			
耐統調性 (CTI)	IEC60112	Volt	175
Comparative tracking index			
耐電弧性	D-495	Sec.	130
Arc resistance			
體積固有電阻	IEC60093	Ohm. cm	10 ¹⁶
Volume resistivity			

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