

## MAPEX NYLON ENGINEERING PLASTICS

Properties	UNIT	Test Method	Mapex N0320FN 01
<b>Mechanical</b>			
抗張強度 Tensile Str, Yield	Psi(Mpa)	D-638	15500(107)
斷裂伸長率 Tensile Elongation, Break	%	D-638	3
彎曲強度 Flexural Strength	Psi(Mpa)	D-790A	27000(186)
彎曲彈性率 Flexural Modulus	Psi(Mpa)	D-790A	9500000(65475)
IZOD衝擊強度 Izod Impact Strength, Notched	ft.-lb/in (J/m) 23°C -30°C	D-256	1.3(69)
硬度 Rockwell Hardness	R-Scale	D-785	120
<b>Thermal</b>			
融點 Melting Point	°C	D-789	220
熱變形溫度 Heat Deflection Temperature	°C 66 psi(0.45Mpa) 264 psi(1.82Mpa)	D-648	- 210
線膨脹係數 Coefficient of Thermal Expansion	E-5 1/°C	D-696	6
熾熱電線耐燃試驗 Glow Wire Test	°C	IEC 695-2-1	-
<b>Electrical</b>			
介電強度 Dielectric Strength	kv/mm	D-149	23
體積電阻 Volume Resistivity	ohm-cm	D-257	-
耐電弧 Arc Resistance	Sec	D495	-
<b>Other</b>			
比重 Specific Gravity	-	D-792	1.46
流動指數 Melt Flow Index	g/10min ( °C/ Kg)	D-1238	-
成型收縮率 Mold Shrinkage , Flow	% 3mm	D-955	0.2-0.4
吸水率 Water Absorption	% 23°C, 24hr	D-570	1.7
<b>Flammability</b>			
燃燒性 Flammability	1/8" 1/16" 1/32"	UL-94	- - V-0
附註 Remark	Polyamide 6 18% Glass Fiber reinforced , Flame Retardant , RoHS certification		

\*Typical properties can be subject to change without further notice.

ISO9001 / ISO14001 / IECQ QC080000 ASSURANCE

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單位換算	抗張強度, 彎曲強度, 彎曲彈性率	IZOD 衝擊強度
	1psi=0.0703 kg/cm <sup>2</sup>	1 ft.-lb/in =5.45 kg.-cm/cm
	1Mpa=10.2 kg/cm <sup>2</sup>	1J/m=0.102 kg.-cm/cm