

## MAPEX NYLON ENGINEERING PLASTICS

Properties	UNIT	Test Method	Mapex NT0110GN
<b>Mechanical</b>			
抗張強度 Tensile Str, Yield	Psi(Mpa)	D-638	7200(50)
斷裂伸長率 Tensile Elongation, Break	%	D-638	65
彎曲強度 Flexural Strength	Psi(Mpa)	D-790A	11000(76)
彎曲彈性率 Flexural Modulus	Psi(Mpa)	D-790A	270000 (1861)
IZOD衝擊強度 Izod Impact Strength, Notched	ft. lb/in (J/m) 23°C -30°C	D-256	15(801) 5(267)
硬度 Rockwell Hardness	Psi(Mpa)	D-785	-
<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	163 58
線膨脹係數 Coefficient of Thermal Expansion	E-5 1/°C	D-696	-
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	-
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	1.06
流動指數 Melt Flow Index	( g/10min °C/ Kg)	D-1238	-
成型收縮率 Mold Shrinkage , Flow	% 3mm	D-955	1.5-2.2
吸水率 Water Absorption	% 23°C, 24hr	D-570	-
<b>Flammability</b>			
燃燒性 Flammability	1/8" 1/16" 1/32"	UL-94	HB
附註 Remark	Unreinforced Polyamide 6 , Super toughnes , RoHS cerification		

\*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