



Typical Values

MAPEX NYLON ENGINEERING PLASTICS

Properties	UNIT	Test Method	Mapex AT0110GN 01
Mechanical			
抗張強度 Tensile Str, Yield	Psi(Mpa)	D-638	7200(50)
斷裂伸長率 Tensile Elongation, Break	%	D-638	71
彎曲強度 Flexural Strength	Psi(Mpa)	D-790	12000(83)
彎曲彈性率 Flexural Modulus	Psi(Mpa)	D-790	254000(1751)
IZOD衝擊強度 Izod Impact Strength, Notched	ft.lb/in (J/m) 23°C -30°C	D-256	17(908) -
硬度 Rockwell Hardness	R-Scale	D-785	-
Thermal			
融點 Melting Point	°C	D-789	260
熱變形溫度 Heat Deflection Temperature	°C 66 psi(0.45Mpa) 264 psi(1.82Mpa)	D-648	- -
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	-
Electrical			
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	-
Other			
比重 Specific Gravity	-	D-792	1.08
流動指數 Melt Flow Index	g/10min (275°C/5Kg)	D-1238	65
成型收縮率 Mold Shrinkage , Flow	% 3mm	D-955	-
吸水率 Water Absorption	% 23°C, 24hr	D-570	-
Flammability			
燃燒性 Flammability	1/8" 1/16" 1/32"	UL-94	- - -

附註 Remark Unreinforced Nylon66 , Super toughness , 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 ²	1 ft-lb/in =5.45 kg-cm/cm
	1Mpa=10.2 kg/cm ²	1J/m=0.102 kg-cm/cm

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