

MAPEX NYLON ENGINEERING PLASTICS

Properties	UNIT	Test Method	Mapex A0520FN N3
Mechanical			
抗張強度 Tensile Str, Yield	psi	D-638	15500
斷裂伸長率 Tensile Elongation, Break	%	D-638	3
彎曲強度 Flexural Strength	psi	D-790	25000
彎曲彈性率 Flexural Modulus	psi	D-790	1000000
IZOD衝擊強度 Izod Impact Strength, Notched	ft-lb/in 23°C -30°C	D-256	1.3
硬度 Rockwell Hardness	R-Scale	D-785	120
Thermal			
融點 Melting Point	°C	D-789	220
熱變形溫度 Heat Deflection Temperature	°C 66 psi 264 psi	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	-
Electrical			
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	-
Other			
比重 Specific Gravity	-	D-792	1.46
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
Flammability			
燃燒性 Flammability	1/8" 1/16" 1/32"	UL-94	V-0
附註 Remark	Nylon 6 18% Glass Fiber reinforced , Flame Retardant , RoHS certification		

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

ISO9001 / ISO14001 / IECQ HSPM 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