

MAPEX NYLON ENGINEERING PLASTICS

Properties	UNIT	Test Method	Mapex A1520NH B05
Mechanical			
抗張強度 Tensile Str, Yield	Psi(Kg/cm ²)	D-638	20000(1400)
斷裂伸長率 Tensile Elongation, Break	%	D-638	>1.5
彎曲強度 Flexural Strength	Psi(Kg/cm ²)	D-790	31000(2179)
彎曲彈性率 Flexural Modulus	Psi(Kg/cm ²)	D-790	1100000(77330)
IZOD衝擊強度 Izod Impact Strength, Notched	ft.-lb/in (Kg.cm/cm) 23°C -30°C	D-256	1.2(6.5) -
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(4.64 Kg/cm ²) 264 psi(18.6 Kg/cm ²)	D-648	- 245
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	1.36-1.39
流動指數 Melt Flow Index	g/10min (275°C/5Kg)	D-1238	40-80
成型收縮率 Mold Shrinkage , Flow	% 3mm	D-955	0.25-0.45
吸水率 Water Absorption	% 23°C,24hr	D-570	-
Flammability			
燃燒性 Flammability	1/8" 1/16" 1/32"	UL-94	V0 V0 V0
附註 Remark	Polyamide 66 , 25% Glass fibler , Black color , Flame retardant base on red phosphorous 1/32" V0 ,		

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

ISO9001 / ISO14001 / IECQ QC080000/TS16949 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