



技術資料表
Technical Data Sheet

HEGTYPE

PA66/PA MXD6 共聚複合，低吸濕、尺寸安定、剛性耐熱強化級系列
PA66/PA MXD6 copolymer compound, low moisture absorption, dimensionally stable, rigid and heat-resistant reinforced grade series

樹酯 Resin PA66/PA MXD6 合金 Polyamide66/ Polyamide MXD6 alloy
規格 Grade HEG74-A1 HEG76-A1 HEG78-A1 HEG7X-A1 HEG7X2-A1
來源 source 上禾伸企業

描述 Description

■PA66/PA MXD6 共聚複合，低吸濕、尺寸安定、剛性耐熱強化。高度填充玻纖，也能維持產品最佳表面。應用於汽車相關零件與電子、電器產品非常合適。

PA66/PA MXD6 copolymer compound, low moisture absorption, dimensional stability, rigidity and heat resistance enhancement. Highly filled with glass fiber, it can also maintain the best surface of the product. It is very suitable for use in automobile-related parts and electronic and electrical products.

■塑料吸濕飽和後，抗張強度與彎曲強度變化性比較低。

After the plastic is saturated with moisture, the variability of its tensile strength and flexural strength is relatively low.

■優異的機械性能和熱性能、線膨脹係數小、適於精密製品的加工及金屬替代材料。加上比重比金屬輕、易於成型、高設計自由度。

Excellent mechanical properties and thermal properties, small linear expansion coefficient, suitable for processing precision products and metal replacement materials. In addition, its specific gravity is lighter than metal, easy to form, and has high design freedom.

■耐化學性佳，對脂、油、燃料、液壓油、鹽溶液具良好的耐受性。

Good chemical resistance, good tolerance to grease, oil, fuel, hydraulic oil, salt solution.

■良好的抗低溫性、低溫時保持穩定的物性，常溫抗衝擊性佳。

Good low temperature resistance, stable physical properties at low temperatures, and good impact resistance at room temperature.

成型模式 射出成型
Forming mode Injection Molding



特性 Properties

HEGTYPE PA66/PA MXD6 共聚複合、低吸濕、尺寸安定、剛性耐熱強化級系列

PA66/PA MXD6 copolymer compound, low moisture absorption, dimensionally stable, rigid and heat-resistant reinforced grade series

	HEG74 -A1	HEG76 -A1	HEG78 -A1	HEG7X -A1	HEG7X2 -A1
項目 Project	標準數值				
單位 Unit / 測試標準 Testing standards	Typical Value				
填充劑含量 Filler Content %	20	30	40	50	60
比重 Specific Gravity g/cm ³ / ASTM D792	1.28	1.38	1.5	1.58	1.7
吸濕率 Moisture absorption rate % 23°C水中 24 小時 24 hours in 23°C water	0.25	0.23	0.21	0.17	0.14
吸濕率 Moisture absorption rate 平衡· 23°C· 50%相對濕度 % Equilibrium, 23°C, 50% relative humidity RH	1.8	1.5	1.3	1.1	0.9
收縮率-平行 Mold Shrinkage MD 收縮率-垂直 ⊥ Mold Shrinkage TD % / 3 mm t	0.2 ~0.6	0.2 ~0.5	0.1 ~0.5	0.1 ~0.4	0.1 ~0.4
耐燃性 Flammability 顏色 Color	HB Natural color	HB Natural color	HB Natural color	HB Natural color	HB Natural color

機械特性 Mechanical properties

伸張強度 Tensile Strength kg/ cm ² / ASTM D638	1350	1800	2200	2500	2600
斷裂伸張率 Tensile Elongation at Break % / ASTM D638	3	2	2	2	2
彎曲強度 Flexural Strength kg/ cm ² / ASTM D790	2300	2800	3200	3800	4000
彎曲模數 Flexural Modulus kg/ cm ² / ASTM D790	85000	100000	140000	175000	205000
衝擊強度(缺口式) IZOD Impact (notched) 23°C kg-cm/cm / ASTM D256	7	7	10	14	14

熱力特性 Heat properties

熱變型溫度 18.54kg/ cm ² H D T °C / ASTM D648	230	230	235	240	240
熔點 Melting point °C / DSC	260	260	260	260	260

電氣特性 Electrical properties

體積固有阻抗 Volume inherent impedance Ω·cm / ASTM D257	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³
表面阻抗 Surface resistivity Ω / ASTM D257	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴



上禾伸企業有限公司

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成型條件 Molding conditions

烘乾溫度 Drying temp. °C	80~100	烘乾時間 Drying time H	4
進料區溫度 Feed zone temp. °C	250~275	壓縮區溫度 Compression zone temp. °C	260~285
計量區溫度 Metering zone temp. °C	260~290	噴嘴溫度 Nozzle temp. °C	260~290
模具溫度 Mold temp. °C	80~120	射出壓力 Injection pressure Kg/ cm ²	300~700

*雖然上述信息是出於善意並被認為是準確的，但我們不保證依賴此類信息取得令人滿意的結果，並且不承擔因使用此類信息而引起的任何損失或損害的全部責任。*以上數值係僅供選擇用途品級之參考。

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