



技術資料表
Technical Data Sheet

ARL TYPE

特殊共聚級，超韌、高耐衝、高耐寒、耐低溫達-45°C，高透光接近透明，超高延伸率 300%以上，常溫超高耐衝 50 kg-cm/cm 以上，高 Mi 流動性規格

Special copolymer grade, ultra-tough, high impact resistance, high cold resistance, withstands temperatures down to -45°C, high light transmittance (almost transparent), ultra-high elongation (over 300%), ultra-high impact resistance at room temperature (over 50 kg-cm/cm), high Mi flowability specifications.

樹脂 Resin	PP Polypropylene
規格 Grade	AR5J-A4L
來源 source	上禾伸企業 SHANG HE SHEN ENTERPRISE CO., Ltd.

描述 Description

- 特殊共聚級，超韌、高耐衝、高耐寒、耐低溫達-45°C，常溫超高耐衝達 50 kg-cm/cm 以上，耐低溫可達-45°C。
Special copolymer grade, ultra-tough, high impact resistance, high cold resistance, low temperature resistance up to -45°C, ultra-high impact resistance at room temperature up to 50 kg-cm/cm, and low temperature resistance up to -45°C.
- 此規格塑料軟韌、有彈力，超高延伸率達 300%以上，類似彈性體塑料性能，硬度達 95A。
This specification of plastic is soft, tough, and elastic, with an ultra-high elongation rate of over 300%, similar to the properties of elastomer plastics, and a hardness of 95A.
- 可抗中酸、強鹼，抗藥性佳。
It is resistant to moderate acids and strong alkalis and has good drug resistance.
- 高 Mi 流動性規格，加工性容易。
High Mi flowability specification, easy to process.
- 符合 ROHS/REACH/無 PSAF 規範。
Compliant with RoHS/REACH/PSAF-free standards.

成型模式

Forming mode

射出成型

Injection Molding

特性 Properties

項目 Project	測試標準 Testing standards	單位 Unit	標準數值 Typical Value
比重 Specific Gravity	ASTM D792	g/cm ³	0.893
流動指數 MFR,(MI) 190×2.16KG	ASTM D1238	g/10min	11
流動指數 MFR,(MI) 230×2.16KG			35
收縮率-平行 Mold Shrinkage MD	3 mm t	%	1.5
收縮率-垂直 ⊥ Mold Shrinkage TD			~2.0
耐燃性 Flammability	UL-94		HB
顏色 Color			本色·高透光 Natural color, high light transmittance

機械特性 Mechanical properties

伸張降伏強度 Tensile Strength at Yield	ASTM D638	kg/ cm ²	140
斷裂伸張率 Tensile Elongation at Break		%	> 300
彎曲強度 Flexural Strength	ASTM D790	kg/ cm ²	130
彎曲模數 Flexural Modulus			6000
衝擊強度(缺口式) IZOD Impact (notched)	ASTM D256	23°C kg-cm/cm	> 52
		-40°C kg-cm/cm	> 13
硬度 Rockwell/Shore Hardness	ASTM D785/D2240	A/D	93/48

熱力特性 Heat properties

熱變型溫度 4.6kg/ cm ²	ASTM D648	°C	60
Heat distortion temperature H D T			
熔融溫度 Melting temperature	DSC		150~155

成型條件 Molding conditions

烘乾溫度 Drying temp. °C	85	烘乾時間 Drying time H	1~2
進料區溫度 Feed zone temp. °C	165~195	壓縮區溫度 Compression zone temp. °C	170~200
計量區溫度 Metering zone temp. °C	170~205	噴嘴溫度 Nozzle temp. °C	175~210
模具溫度 Mold temp. °C	50	射出壓力 Injection pressure Kg/ cm ²	300~500

*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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