

永嘉烯 YUNGSOX

5003

無規共聚物 RANDOM COPOLYMER

用途 Applications

- PPR 管材：建築用冷熱水管、飲用水管
PP-R pipe for drinking water, waste system, under-floor heating circuits
- 真空成型板 Thermoforming sheet
- 吹製成型 Blow molding

特性 Characteristics

- 耐應力蠕變性佳
Excellent resistance to creep
- 低溫脆性佳
Good resistance to low temperature brittleness
- 高衝擊強度 High impact strength
- 抗白化性優
Excellent resistance to whiteness

物性 Typical Properties

項目 Properties	單位 Unit	檢驗方法 Test Method	平均值 Typical Value	
熔融指數 Melt Index	g/10min	ISO1133	0.25	
密度 Density	g/cm ³	ISO1183	0.90	
熔點 Melting Point	°C	DSC	142	
熱變形溫度 Heat Deflection Temperature	°C	ISO75	85	
軟化點溫度 Vicat Softening Temperature	°C	ISO306	128	
降伏點拉力強度 Tensile Strength at Yield	Kg/cm ²	ISO527	250	
斷裂點伸長率 Tensile Elongation at Break	%	ISO527	500	
洛氏硬度 Rockwell Hardness	R scale	ISO2039	90	
剛性係數 Flexural Modulus	Kg/cm ²	ISO178	8,000	
IZOD 衝擊強度 IZOD Impact Strength	Kg.cm/cm notch	ISO 180	23°C	40
			-20°C	6
收縮率 Mold Shrinkage	%	FPC Method	1.3-1.7	

本表數據為代表值，僅供選擇品級用途之參考

The details given in this data sheet are our standard value but not specification guaranteed.

FDA 認可 FDA Approval

永嘉烯 5003 符合美國食品及藥物管理局 21 CFR 177.1520 之規範，可直接與食物接觸。

Yungsox 5003 resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

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