



## 耐衝擊聚苯乙烯(High Impact Polystyrene) HIPS 616

## 特性

## Characteristics

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| <ul style="list-style-type: none"> <li>● 超高耐衝擊押出級</li> <li>● 超高耐衝擊強度</li> <li>● 低殘留單體量</li> <li>● 耐熱性佳</li> <li>● 底色穩定</li> <li>● 良好加工性</li> <li>● 高流動性</li> </ul> | <ul style="list-style-type: none"> <li>● Super High Impact Extrusion Grade</li> <li>● Super High Impact Strength</li> <li>● Low Residual Monomer</li> <li>● Good Heat Resistance</li> <li>● Base Color Stability</li> <li>● Good Transparency</li> <li>● Easy Processing</li> <li>● High Flow</li> </ul> |
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## 應用

## Applications

押板製品、線軸、浮球等

Sheets, cable reels.

## 物理性質 Physical Properties

Properties	Test Method	Test Condition	Unit	Typical Value
比重 Specific Gravity	ASTM D792	23°C	---	1.046
	ISO 1183		g/cm <sup>3</sup>	1.04
流動指數 Melt Flow Index	ASTM D1238	200°C , 5 kg load	g/10min	2.5
	ISO 1133		ml/10min	2.7
抗張強度 Tensile Strength at Yield	ASTM D638	23°C , 1/8" Sample	kg/cm <sup>2</sup>	260
	ISO 527		Mpa	24
伸長率 Elongation at Break	ASTM D638	23°C , 1/8" Sample	%	50
	ISO 527			55
Izod 耐衝擊強度 Izod Impact Strength	ASTM D256	23°C , A method, notched 1/4"×1/2"×5/2"	kg-cm/cm	9
		1/8"×1/2"×5/2"		14
	ISO 180A	23°C Notched	KJ/m <sup>2</sup>	12
Vicat 軟化溫度 Vicat Softening Temperature	ASTM D1525	1 kg load , 3 mm Thick( 120°C/hr )	°C	102
	ISO 306	1 kg load , 3 mm Thick( 50°C/hr )		100
燃燒性 Flammability	UL-94	1/16" Sample	File No. E50263	94HB
殘留苯乙烯單體 Residual SM monomer	---	---	ppm	< 800
黃色指數(YI) Yellow Index	---	---	---	-4

註：上表所列數據依據 ASTM 試驗方法所測得，僅供參考用。

Note : The data listed represent average values and are believed to be reliable. They are given for information; no guarantee of their accuracy is made.