



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

特性

- 超高耐衝擊押出級
- 超高耐衝擊強度
- 低殘留單體量
- 耐熱性佳
- 底色穩定
- 良好加工性
- 高流動性

Characteristics

- Super High Impact Extrusion Grade
- Super High Impact Strength
- Low Residual Monomer
- Good Heat Resistance
- Base Color Stability
- Good Transparency
- Easy Processing
- High Flow

應用

押板製品、線軸、浮球等

Applications

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 ³	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 ²	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 ²	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
熱變形溫度 Heat Distortion Temperature	ASTM D648	Unannealed, 1/2in, 18.56 kg/cm ² load pressure	°C	89
	ISO 75A	Unannealed, 1/2 in, 1.80Mpa load pressure		89
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

