



台達通用及耐衝擊聚苯乙烯

TAITAREX GPPS/HIPS

通用聚苯乙烯(General Purpose Polystyrene) GPPS 861F

特性

Characteristics

- 射出級
- NOVA CHEMICAL 最新生產技術
- 低殘留單體量
- 表面尺寸安定性佳
- 優異透明度
- 良好加工性
- Injection Grade
- The most state of the art from US NOVA CHEMICAL
- Low Residual Monomer
- Mold Dimension Stability
- Good Transparency
- Easy Processing

應用

Applications

家庭五金、TPR 混鍊用、包裝盒、玩具等。

house hard wares, TPR compounding, cassette, toys.

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	12.0
	ISO 1133		ml/10min	13.0
抗張強度 Tensile Strength at Yield	ASTM D638	23°C , 1/8" Sample	kg/cm ²	440
	ISO 527		Mpa	43
伸長率 Elongation at Break	ASTM D638	23°C , 1/8" Sample	%	2.0
	ISO 527			
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	1.3
	ISO 180A	23°C Notched	KJ/m ²	1.7
Vicat 軟化溫度 Vicat Softening Temperature	ASTM D1525	1 kg load, 3 mm Thick (120 °C /hr)	°C	97
	ISO 306	1 kg load, 3 mm Thick(50°C/hr)		95
熱變形溫度 Heat Distortion Temperature	ASTM D648	Unannealed, 1/2in, 18.56 kg/cm ² load pressure	°C	82
	ISO 75A	Unannealed, 1/2 in, 1.80Mpa load pressure		82
燃燒性 Flammability	UL-94	1/16" Sample	File No. E50263	94HB
殘留苯乙烯單體 Residual SM monomer	---	---	ppm	300
曇度 Haze	---	2.8mm thick	%	0.4

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.