



台達通用及耐衝擊聚苯乙烯

TAITAREX GPPS/HIPS

耐衝擊聚苯乙烯(High Impact Polystyrene) HIPS 666

特性

Characteristics

- 高耐衝擊射出級
- 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
- High Impact Injection Grade
- High Impact Strength
- Low Residual Monomer
- Good Heat Resistance
- Base Color Stability
- Good Transparency
- Easy Processing
- High Flow

應用

Applications

電腦週邊製品、家電製品、文具等。

PC peripheral appliances, electrical appliances, stationery.

物理性質 Physical Properties

Properties	Test Method	Test Condition	Unit	Typical Value
比重 Specific Gravity	ASTM D792	23℃	---	1.046
	ISO 1183		g/cm ³	1.04
流動指數 Melt Flow Index	ASTM D1238	200℃ , 5 kg load	g/10min	7.0
	ISO 1133		ml/10min	7.3
抗張強度 Tensile Strength at Yield	ASTM D638	23℃ , 1/8" Sample	kg/cm ²	270
	ISO 527		Mpa	25
伸長率 Elongation at Break	ASTM D638	23℃ , 1/8" Sample	%	45
	ISO 527			50
Izod 耐衝擊強度 Izod Impact Strength	ASTM D256	23℃ , A method, notched 1/4"×1/2"×5/2"	kg-cm/cm	8
		1/8"×1/2"×5/2"		9
	ISO 180A	23℃ Notched	KJ/m ²	8.5
Vicat 軟化溫度 Vicat Softening Temperature	ASTM D1525	1 kg load , 3 mm Thick (120 ℃/hr)	℃	99
	ISO 306	1 kg load, 3 mm Thick(50℃/hr)		97
熱變形溫度 Heat Distortion Temperature	ASTM D648	Unannealed, 1/2in, 18.56 kg/cm ² load pressure	℃	85
	ISO 75A	Unannealed, 1/2 in, 1.80Mpa load pressure		85
燃燒性 Flammability	UL-94	1/16" Sample	File No. E50263	94HB
殘留苯乙烯單體 Residual SM monomer	---	---	ppm	< 600
黃色指數 (YI) Yellow Index	---	---	---	-3

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.

TAITAREX is the Tradename of Taita chemical company