



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 818K

特性	Characteristics
- 押出級 - NOVA CHEMICAL 最新生產技術 - 低殘留單體量 - 耐熱性佳 - 表面尺寸安定性佳 - 優異透明度 - 良好加工性 - 高分子量 - 高強度	- Extrusion Grade - The most state of the art from US NOVA CHEMICAL - Low Residual Monomer - Good Heat Resistance - Mold Dimension Stability - Good Transparency - Easy Processing - High M.W. - High strength

應用	Applications
1. OPS/PSP 押板製品等。	1. OPS/PSP sheet applications.

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	2.3
	ISO 1133		ml/10min	2.4
抗張強度 Tensile Strength at Yield	ASTM D638	23°C , 1/8" Sample	kg/cm ²	540
	ISO 527		Mpa	53
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	1.5
	ISO 180A	23°C Notched	KJ/m ²	1.9
Vicat 軟化溫度 Vicat Softening Temperature	ASTM D1525	1 kg load , 3 mm Thick (120 °C/hr)	°C	107
	ISO 306	1 kg load, 3 mm Thick(50°C/hr)		105
熱變形溫度 Heat Distortion Temperature	ASTM D648	Unannealed, 1/2 in, 18.56 kg/cm ² load pressure	°C	92
	ISO 75A	Unannealed, 1/2 in, 1.80Mpa load pressure		92
燃燒性 Flammability	UL-94	1/16" Sample	File No. E50263	94HB
殘留苯乙烯單體 Residual SM monomer	---	---	ppm	200
曇度 Haze	---	2.8mm thick	%	0.5

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.