



光學級聚苯乙烯(Optical Grade Polystyrene) GPPS 808

特性

Characteristics

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| <ul style="list-style-type: none"> ● 光學級 ● 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 ● 抗吸濕性 | <ul style="list-style-type: none"> ● Optical Grade ● The Most State of The Art form US NOVA CHEMICAL ● Low Residual Monomer ● Good Heat Resistance ● Mold Dimension Stability ● Good Transparency ● Easy Processing ● Good water resistance |
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應用

Applications

背光模組之擴散板

Diffuser of back light module

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	1.9
	ISO 1133		ml/10min	2.0
抗張強度 Tensile Strength at Yield	ASTM D638	23℃ , 1/8" Sample	kg/cm ²	560
	ISO 527		Mpa	55
伸長率 Elongation at Break	ASTM D638	23℃ , 1/8" Sample	%	2.0
	ISO 527			
Izod 耐衝擊強度 Izod Impact Strength	ASTM D256	23℃ ,A method,notched 1/4"×1/2"×5/2"	kg-cm/cm	1.6
	ISO 180A	23℃ Notched	KJ/m ²	2.0
Vicat 軟化溫度 Vicat Softening Temperature	ASTM D1525	1 kg load , 3 mm Thick(120℃/hr)	℃	108
	ISO 306	1 kg load , 3 mm Thick(50℃/hr)		106
熱變形溫度 Heat Distortion Temperature	ASTM D648	Unannealed, 1/2 in, 18.56 kg/cm ² load pressure	℃	95
	ISO 75A	Unannealed, 1/2 in, 1.80Mpa load pressure		95
燃燒性 Flammability	UL-94	1/16" Sample	File No. E50263	94HB
殘留苯乙烯單體 Residual SM monomer	---	---	ppm	150
曇度 Haze	---	2.8mm thick	%	0.35

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.