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台達通用級聚苯乙烯

**TAITAREX GPPS/HIPS**

# (General Purpose Polystyrene) GPPS 818K

## Characteristics

- 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

## Applications

1. OPS／PSP sheet applications.

## Physical Properties

| Properties | ISO method | Test Condition | Unit | Typical Value |
|---|---|---|---|---|
| Specific Gravity | ISO 1183 | --- | --- | 1.04 |
| Melt Flow Index | ISO 1133 | 200℃, 5kg load | g/cm$^3$ | 2.4 |
| Tensile Strength at Yield | ISO 527 | 23℃, 50 mm/min | kg/cm$^2$ | 54 |
| Elongation at Break | ISO 527 | 23℃, 50 mm/min | % | 2 |
| Izod Impact Strength | ISO 180/1A | 23℃, Izod Notched | kg-cm/cm | 1.9 |
| Vicat Softening Temperature | ISO 306 | 120$^o$C/hr , 1 kg load | ℃ | 105 |
| Heat Distortion Temperature | ISO 75A | Unanneale 1.8MPa load pressure(Edgewise) | ℃ | 95 |
| Flammability | UL-94 | 1/16” Sample | File No. E50263 | 94HB |
| Residual SM monomer | Internal | GC | ppm | < 300 |
| Haze | --- | 2.8mm thick | % | 0.5 |

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.