



(Optical Grade Polystyrene) GPPS 808

Characteristics

- 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

Applications

Diffuser of back light module

Physical Properties

| Properties | ASTM method | Test Condition | Unit | Typical Value |
|-----------------------------|-------------|---|--------------------|---------------|
| Specific Gravity | D542 | --- | --- | 1.046 |
| Melt Flow Index | D1238 | 200°C , 5 kg load | g/10min | 1.9 |
| Tensile Strength at Yield | D638 | 23°C , 1/8" Sample | kg/cm2 | 560 |
| Elongation at Break | D638 | 23°C , 1/8" Sample | % | 2.0 |
| Izod Impact Strength | D256 | 23°C, A method, notched 1/4"×1/2"×5/2" | kg-cm/cm | 1.6 |
| Vicat Softening Temperature | D1525 | 1 kg load , 3 mm Thick (120 °C/hr) | °C | 108 |
| Heat Distortion Temperature | D648 | Unannealed, 1/2 in, 18.56 kg/cm2 load pressure | °C | 95 |
| Flammability | UL-94 | 1/16" Sample | File No. E50263 | 94HB |
| Residual SM monomer | --- | --- | ppm | 150 |
| Haze | --- | 2.8mm thick | % | 0.35 |
| Light Transmission | D1003 | 2.8mm thick | % | 92 |

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.