

## Videolar 535 Crystal Polystyrene (GPPS)

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Transparent Grade

### Material Notes:

Designed for injection molding, extrusion, and blow molding  
Very easy flowing grade for general use  
Excellent processability for multiple cavity molds  
Features: Excellent strength  
Good temperature resistance  
Applications: Electronics packaging and office accessories  
Audio and Video components  
Information provided by Dax Resinas

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Videolar-535-Crystal-Polystyrene-GPPS.php](http://www.lookpolymers.com/polymer_Videolar-535-Crystal-Polystyrene-GPPS.php)

| Physical Properties   | Metric                                               | English                                              | Comments   |
|-----------------------|------------------------------------------------------|------------------------------------------------------|------------|
| Bulk Density          | 0.650 g/cc                                           | 0.0235 lb/in <sup>3</sup>                            | ISO 060    |
| Density               | 1.04 g/cc                                            | 0.0376 lb/in <sup>3</sup>                            | ASTM D792  |
| Linear Mold Shrinkage | 0.0030 - 0.0060 cm/cm                                | 0.0030 - 0.0060 in/in                                |            |
| Melt Flow             | 5.0 g/10 min<br>@Load 5.00 kg,<br>Temperature 200 °C | 5.0 g/10 min<br>@Load 11.0 lb,<br>Temperature 392 °F | ASTM D1238 |

| Mechanical Properties   | Metric   | English   | Comments  |
|-------------------------|----------|-----------|-----------|
| Tensile Strength, Yield | 49.0 MPa | 7110 psi  | ASTM D638 |
| Tensile Modulus         | 2.69 GPa | 390 ksi   | ASTM D638 |
| Flexural Strength       | 97.0 MPa | 14100 psi | ASTM D790 |
| Flexural Modulus        | 3.17 GPa | 460 ksi   | ASTM D790 |

| Thermal Properties                          | Metric  | English | Comments             |
|---------------------------------------------|---------|---------|----------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 98.0 °C | 208 °F  | @ 264 psi; ASTM D648 |
| Vicat Softening Point                       | 106 °C  | 223 °F  | ASTM D1525           |
| Flammability, UL94                          | HB      | HB      |                      |

## Contact Songhan Plastic Technology Co.,Ltd.

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