

## Samsung Cheil Industries Infino® FD-1102 PC, FR

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Molded

### Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samsung-Cheil-Industries-Infino-FD-1102-PC-FR.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-FD-1102-PC-FR.php)

| Physical Properties | Metric                                | English                               | Comments   |
|---------------------|---------------------------------------|---------------------------------------|------------|
| Specific Gravity    | 1.20 g/cc                             | 1.20 g/cc                             | ASTM D792  |
| Melt Flow           | 30 g/10 min                           | 30 g/10 min                           | ASTM D1238 |
|                     | @Load 10.0 kg,<br>Temperature 250 Â°C | @Load 22.0 lb,<br>Temperature 482 Â°F |            |

| Mechanical Properties   | Metric             | English             | Comments              |
|-------------------------|--------------------|---------------------|-----------------------|
| Tensile Strength, Yield | 61.8 MPa           | 8960 psi            | 50 mm/min; ASTM D638  |
| Flexural Strength       | 91.3 MPa           | 13200 psi           | 2.8 mm/min; ASTM D790 |
| Flexural Modulus        | 2.11 GPa           | 306 ksi             | 2.8 mm/min; ASTM D790 |
| Izod Impact, Notched    | 0.981 J/cm         | 1.84 ft-lb/in       | ASTM D256             |
|                         | @Thickness 3.17 mm | @Thickness 0.125 in |                       |

| Thermal Properties                             | Metric             | English             | Comments       |
|------------------------------------------------|--------------------|---------------------|----------------|
| Deflection Temperature at 1.8 MPa<br>(264 psi) | 129 Â°C            | 264 Â°F             | ASTM D648      |
|                                                | @Thickness 6.40 mm | @Thickness 0.252 in |                |
| Vicat Softening Point                          | 144 Â°C            | 291 Â°F             | B/50; ISO R306 |
| Flammability, UL94                             | V-2                | V-2                 |                |
|                                                | @Thickness 3.00 mm | @Thickness 0.118 in |                |

## Contact Songhan Plastic Technology Co.,Ltd.

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