

## Samsung Cheil Industries Infino® NH-3402F PC, 40% Glass Filled FR

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 40% Glass Filled

### Material Notes:

PC/GF material with 40% GF reinforcement that can be used in printer LSUInformation provided by Samsung Cheil Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samsung-Cheil-Industries-Infino-NH-3402F-PC-40-Glass-Filled-FR.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-NH-3402F-PC-40-Glass-Filled-FR.php)

| Physical Properties         | Metric                                               | English                                              | Comments   |
|-----------------------------|------------------------------------------------------|------------------------------------------------------|------------|
| Specific Gravity            | 1.51 g/cc                                            | 1.51 g/cc                                            | ASTM D792  |
| Water Absorption            | 0.15 %<br>@Temperature 23.0<br>Â°C                   | 0.15 %<br>@Temperature 73.4 Â°F                      | ASTM D570  |
| Linear Mold Shrinkage, Flow | 0.0010 - 0.0030 cm/cm<br>@Thickness 3.20 mm          | 0.0010 - 0.0030 in/in<br>@Thickness 0.126 in         | ASTM D955  |
| Melt Flow                   | 33 g/10 min<br>@Load 10.0 kg,<br>Temperature 250 Â°C | 33 g/10 min<br>@Load 22.0 lb,<br>Temperature 482 Â°F | ASTM D1238 |

| Mechanical Properties   | Metric                          | English                              | Comments              |
|-------------------------|---------------------------------|--------------------------------------|-----------------------|
| Hardness, Rockwell R    | 122                             | 122                                  | ASTM D785             |
| Tensile Strength, Yield | 140 MPa                         | 20300 psi                            | 5 mm/min; ASTM D638   |
| Flexural Strength       | 177 MPa                         | 25700 psi                            | 2.8 mm/min; ASTM D790 |
| Flexural Modulus        | 10.8 GPa                        | 1560 ksi                             | 2.8 mm/min; ASTM D790 |
| Izod Impact, Notched    | 1.08 J/cm<br>@Thickness 3.17 mm | 2.02 ft-lb/in<br>@Thickness 0.125 in | ASTM D256             |

| Thermal Properties                             | Metric                              | English                                | Comments  |
|------------------------------------------------|-------------------------------------|----------------------------------------|-----------|
| Deflection Temperature at 1.8 MPa<br>(264 psi) | 110 Â°C<br>@Thickness 6.40 mm       | 230 Â°F<br>@Thickness 0.252 in         | ASTM D648 |
| Flammability, UL94                             | V-1<br>@Thickness 2.00 mm           | V-1<br>@Thickness 0.0787 in            |           |
|                                                | V-0<br>@Thickness 2.50 - 3.00<br>mm | V-0<br>@Thickness 0.0984 -<br>0.118 in |           |

## Contact Songhan Plastic Technology Co.,Ltd.

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