

## SABIC Innovative Plastics ULTEM 4211 PEI (Asia Pacific)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

### Material Notes:

20% Glass fiber filled, standard flow Polyetherimide (Tg 217C). ECO Conforming.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-ULTEM-4211-PEI-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-ULTEM-4211-PEI-Asia-Pacific.php)

| Physical Properties | Metric                                | English                               | Comments   |
|---------------------|---------------------------------------|---------------------------------------|------------|
| Specific Gravity    | 1.48 g/cc                             | 1.48 g/cc                             | ASTM D792  |
| Melt Flow           | 10.3 g/10 min                         | 10.3 g/10 min                         | ASTM D1238 |
|                     | @Load 6.60 kg,<br>Temperature 337 Â°C | @Load 14.6 lb,<br>Temperature 639 Â°F |            |

| Mechanical Properties   | Metric             | English             | Comments                           |
|-------------------------|--------------------|---------------------|------------------------------------|
| Tensile Strength, Yield | 129 MPa            | 18700 psi           | Type I, 5 mm/min; ASTM D638        |
| Elongation at Break     | 3.0 %              | 3.0 %               | Type I, 5 mm/min; ASTM D638        |
| Flexural Strength       | 193 MPa            | 28000 psi           | 2.6 mm/min, 100 mm span; ASTM D790 |
| Flexural Modulus        | 7.10 GPa           | 1030 ksi            | 2.6 mm/min, 100 mm span; ASTM D790 |
| Izod Impact, Notched    | 4.37 J/cm          | 8.19 ft-lb/in       | ASTM D256                          |
|                         | @Thickness 3.20 mm | @Thickness 0.126 in |                                    |

| Thermal Properties                             | Metric             | English             | Comments              |
|------------------------------------------------|--------------------|---------------------|-----------------------|
| Deflection Temperature at 1.8 MPa<br>(264 psi) | 212 Â°C            | 414 Â°F             | unannealed; ASTM D648 |
|                                                | @Thickness 6.40 mm | @Thickness 0.252 in |                       |
| Glass Transition Temp, Tg                      | 217 Â°C            | 423 Â°F             |                       |

## Contact Songhan Plastic Technology Co.,Ltd.

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