

**SABIC Innovative Plastics Lexan® OQ4620 PC**

Category : Polymer , Thermoplastic , Polycarbonate (PC)

**Material Notes:**

Optical grade with UV cut-off up to 400 nm, greater optical purity than standard grades. For needs of sunglass and sunvisor markets. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-Lexan-OQ4620-PC.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Lexan-OQ4620-PC.php)

| Physical Properties         | Metric   | English  | Comments     |
|-----------------------------|--|--|--------------|
| Specific Gravity            | 1.20 g/cc  | 1.20 g/cc  | ASTM D 792   |
| Linear Mold Shrinkage, Flow | 0.0050 - 0.0070 cm/cm<br>@Thickness 3.20 mm          | 0.0050 - 0.0070 in/in<br>@Thickness 0.126 in         | SABIC Method |
| Melt Flow                   | 8.5 g/10 min<br>@Load 1.20 kg,<br>Temperature 300 °C | 8.5 g/10 min<br>@Load 2.65 lb,<br>Temperature 572 °F | ASTM D 1238  |

| Mechanical Properties   | Metric                            | English                               | Comments                           |
|-------------------------|-----------------------------------|---------------------------------------|------------------------------------|
| Tensile Strength, Yield | 62.0 MPa                          | 8990 psi                              | Type I, 50 mm/min; ASTM D 638      |
| Elongation at Yield     | 130 %                             | 130 %                                 | Type I, 50 mm/min; ASTM D 638      |
| Flexural Yield Strength | 97.0 MPa                          | 14100 psi                             | 1.3 mm/min, 50 mm span; ASTM D 790 |
| Flexural Modulus        | 2.34 GPa                          | 339 ksi                               | 1.3 mm/min, 50 mm span; ASTM D 790 |
| Izod Impact, Notched    | 7.47 J/cm<br>@Temperature 23.0 °C | 14.0 ft-lb/in<br>@Temperature 73.4 °F | ASTM D 256                         |
| Dart Drop, Total Energy | 169 J<br>@Temperature 23.0 °C     | 125 ft-lb<br>@Temperature 73.4 °F     | ASTM D 3029                        |

| Thermal Properties                             | Metric                       | English                       | Comments               |
|--|------------------------------|-------------------------------|------------------------|
| Deflection Temperature at 1.8 MPa<br>(264 psi) | 132 °C<br>@Thickness 6.40 mm | 270 °F<br>@Thickness 0.252 in | unannealed; ASTM D 648 |

**Contact Songhan Plastic Technology Co.,Ltd.**Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215, Fengxian District, Shanghai City, China**