



*Polyopt*<sup>®</sup> Polycarbonate sheet **BLC4385F**

- ◇ Color: Ivory-white and higher haze
- ◇ Texture: velvet /fine velvet
- ◇ Flammability: UL94V-0, passed TP(a), EN45545 and BS security tests
- ◇ Thickness: 0.8mm~4.0mm
- ◇ Common thickness:1.0mm, 1.5mm, 2.0mm and 3.0mm
- ◇ Common dimension: 1220mm\*2440mm
- ◇ Application: led lamps etc.

**Product Datasheet**

| Item         | Property                         | Value    | Unit                  | Test Method |
|--------------|----------------------------------|----------|-----------------------|-------------|
| Optical      | Light Transmission               | 75±3     | %                     | ASTM D1003  |
|              | Haze                             | 95±2     | %                     | ASTM D1003  |
| Physical     | Density                          | 1.2      | g/cm <sup>3</sup>     | ISO 1183    |
|              | Water Absorbing Capacity         | 0.3      | %                     | ASTM D570   |
| Mechanical   | Tensile Strength                 | 60       | MPa                   | ISO 527     |
|              | Elongation                       | >50      | %                     | ISO 527     |
|              | Tensile Modulus                  | 2300     | MPa                   | ISO 527     |
|              | Flexural Strength                | 85       | MPa                   | ISO 178     |
| Electrical   | Dielectric Constant              | 3        | -                     | IEC60250    |
|              | Resistant Puncture Voltage       | 30       | KV/mm                 | IEC 60243   |
|              | Arc Resistivity                  | 250      | -                     | IEC60112    |
|              | Surface Resistivity              | 1.00E+16 | Ω/square              | IEC 60093   |
|              | Volume Resistivity               | 1.00E+17 | Ω-cm                  | IEC 60093   |
| Thermal      | Coefficient of Thermal Expansion | 5.8      | ×10 <sup>-5</sup> /°C | ISO 11359   |
|              | Thermal Conductivity             | 0.2      | W/(m*K)               | ASTM D5470  |
|              | Thermal Shrinkage (at 150°C)     | 0.5~0.7  | %                     | ASTM D1204  |
|              | Tg                               | 152      | °C                    | ISO 11357   |
| Flammability | UL94                             | V-0      |                       | UL94        |

Tip: This test data is for reference only, not as an absolute application index.



RoHS



Address: No.158-30,Huashan road, SND, Suzhou, China  
Tel: +86 512 66652011 Fax: +86 512 66652012  
E-mail: omay@pc-film.com Web: www.pc-film.com