

## SABIC Innovative Plastics Lexan® LR900G2 PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

PC 20% GF Recycle Grade, Preliminary properties

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-Lexan-LR900G2-PC-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Lexan-LR900G2-PC-Europe-Africa-Middle-East.php)

| Physical Properties            | Metric                                              | English                                             | Comments                                |
|--------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------|
| Density                        | 1.35 g/cc                                           | 0.0488 lb/in <sup>3</sup>                           | ISO 1183                                |
| Moisture Absorption            | 0.130 %                                             | 0.130 %                                             | 23°C / 50% RH; ISO 62                   |
| Water Absorption at Saturation | 0.30 %                                              | 0.30 %                                              | ISO 62                                  |
| Linear Mold Shrinkage, Flow    | 0.0020 - 0.0050 cm/cm                               | 0.0020 - 0.0050 in/in                               | on Tensile Bar; SABIC Method            |
| Melt Index of Compound         | 12 g/10 min<br>@Load 1.20 kg,<br>Temperature 300 °C | 12 g/10 min<br>@Load 2.65 lb,<br>Temperature 572 °F | MVR [cm <sup>3</sup> /10 min]; ISO 1133 |

| Mechanical Properties        | Metric                 | English                    | Comments            |
|------------------------------|------------------------|----------------------------|---------------------|
| Tensile Strength at Break    | 90.0 MPa               | 13100 psi                  | 5 mm/min; ISO 527   |
| Elongation at Break          | 2.0 %                  | 2.0 %                      | 5 mm/min; ISO 527   |
| Tensile Modulus              | 5.50 GPa               | 798 ksi                    | 1 mm/min; ISO 527   |
| Flexural Yield Strength      | 110 MPa                | 16000 psi                  | 2 mm/min; ISO 178   |
| Flexural Modulus             | 5.50 GPa               | 798 ksi                    | 2 mm/min; ISO 178   |
| Izod Impact, Notched (ISO)   | 6.00 kJ/m <sup>2</sup> | 2.86 ft-lb/in <sup>2</sup> | 80*10*4; ISO 180/1A |
| Izod Impact, Unnotched (ISO) | NB                     | NB                         | 80*10*4; ISO 180/1U |

| Thermal Properties    | Metric | English | Comments            |
|-----------------------|--------|---------|---------------------|
| Vicat Softening Point | 145 °C | 293 °F  | Rate B/120; ISO 306 |

## Contact Songhan Plastic Technology Co.,Ltd.

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