

## SABIC Innovative Plastics LNP LUBRICOMP EFL36E PEI (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

### Material Notes:

LNP\* Lubricomp\* EFL36E is a compound based on Polyetherimide resin containing Glass Fiber, PTFE. Added features of this material include: Easy Molding.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-EFL36E-PEI-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-EFL36E-PEI-Europe-Africa-Middle-East.php)

| Physical Properties         | Metric                | English                   | Comments                     |
|-----------------------------|-----------------------|---------------------------|------------------------------|
| Density                     | 1.61 g/cc             | 0.0582 lb/in <sup>3</sup> | ISO 1183                     |
| Linear Mold Shrinkage, Flow | 0.0010 - 0.0030 cm/cm | 0.0010 - 0.0030 in/in     | on Tensile Bar; SABIC Method |

| Mechanical Properties      | Metric                 | English                    | Comments            |
|----------------------------|------------------------|----------------------------|---------------------|
| Tensile Strength at Break  | 140 MPa                | 20300 psi                  | 5 mm/min; ISO 527   |
| Elongation at Break        | 1.9 %                  | 1.9 %                      | 5 mm/min; ISO 527   |
| Flexural Strength          | 200 MPa                | 29000 psi                  | 2 mm/min; ISO 178   |
| Flexural Modulus           | 8.80 GPa               | 1280 ksi                   | 2 mm/min; ISO 178   |
| Izod Impact, Notched (ISO) | 9.00 kJ/m <sup>2</sup> | 4.28 ft-lb/in <sup>2</sup> | 80*10*4; ISO 180/1A |

| Thermal Properties                          | Metric                                         | English                                         | Comments                         |
|---------------------------------------------|------------------------------------------------|-------------------------------------------------|----------------------------------|
| CTE, linear, Parallel to Flow               | 40.0 Åµm/m-Å°C<br>@Temperature 23.0 - 60.0 Å°C | 22.2 Åµin/in-Å°F<br>@Temperature 73.4 - 140 Å°F | ISO 11359-2                      |
| Deflection Temperature at 1.8 MPa (264 psi) | 202 Å°C                                        | 396 Å°F                                         | Flatw 80*10*4 sp=64mm; ISO 75/Af |
| Flammability, UL94                          | V-0<br>@Thickness 0.750 mm                     | V-0<br>@Thickness 0.0295 in                     | UL 94                            |

## Contact Songhan Plastic Technology Co.,Ltd.

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