



# SUPRAN<sup>®</sup> LFT PP

Long glass fiber reinforced PP

## SUPRAN<sup>®</sup> PP1320

20 % long glass fiber reinforced Polypropylene. High Stiffness, high toughness & superior mechanical balanced.

| Property              |      | unit     | Method    | High modulus |
|-----------------------|------|----------|-----------|--------------|
|                       |      |          |           | PP1320       |
| Mechanical properties |      |          |           |              |
| Tensile strength      |      | kg/cm²   | ASTM D638 | 1070         |
| Elongation at break   |      | %        | ASTM D638 | -            |
| Flexural strength     |      | kg/cm²   | ASTM D790 | 1210         |
| Flexural modulus      |      | kg/cm²   | ASTM D790 | 50350        |
| Izod impact strength  | 23℃  | kg.cm/cm | ASTM D256 | 23           |
|                       | -30℃ |          |           | 23           |
| Thermal properties    |      |          |           |              |
| HDT at 18.6kg/cm²     |      | ℃        | ASTM D648 | 157          |
| Flammability          |      | UL Class | UL94      | HB           |
| General properties    |      |          |           |              |
| Specific gravity      |      |          | ASTM D792 | 1.03         |
| Water absorption(24h) |      | %        | ASTM D570 | 0.02         |
| Molding condition     |      |          |           |              |
| Melt temperature      |      | ℃        |           | 205-215      |
| Mold temperature      |      | ℃        |           | 40-70        |
| Drying time           |      | hrs      |           | 2            |
| Drying temperature    |      | ℃        |           | 90           |
| Shrinkage             |      | %        | ASTM D648 | 0.45         |

※ Data in the table are typical values and not guaranteed specifications.