



# SUPRAN<sup>®</sup> LFT PA

Long glass fiber reinforced PA6

## SUPRAN<sup>®</sup> PA3245

45% long glass fiber reinforced super tough polyamide 6. It offers outstanding impact resistance.

| Property              |      | unit     | Method    | High modulus |
|-----------------------|------|----------|-----------|--------------|
|                       |      |          |           | PA3245       |
| Mechanical properties |      |          |           |              |
| Tensile strength      |      | kg/cm²   | ASTM D638 | 1850         |
| Elongation at break   |      | %        | ASTM D638 | 3.3          |
| Flexural strength     |      | kg/cm²   | ASTM D790 | 2630         |
| Flexural modulus      |      | kg/cm²   | ASTM D790 | 120000       |
| Izod impact strength  | 23℃  | kg.cm/cm | ASTM D256 | 55           |
|                       | -30℃ |          |           | 55           |
| Thermal properties    |      |          |           |              |
| HDT at 18.6kg/cm²     |      | ℃        | ASTM D648 | 215          |
| Flammability          |      | UL Class | UL94      | HB           |
| General properties    |      |          |           |              |
| Specific gravity      |      |          | ASTM D792 | 1.49         |
| Water absorption(24h) |      | %        | ASTM D570 | -            |
| Molding condition     |      |          |           |              |
| Melt temperature      |      | ℃        |           | 260-280      |
| Mold temperature      |      | ℃        |           | 70-120       |
| Drying time           |      | hrs      |           | 2-4          |
| Drying temperature    |      | ℃        |           | 80           |
| Shrinkage             |      | %        | ASTM D648 | 0.2          |

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