

# PRODUCT INFORMATION

Metric & SI unit



## 3300SC

- KEPEX 3300SC is unfilled impact modified and high melt flow PBT.
- Good toughness and impact strength.
- It is applicable to automotive, electrical, electronic and industrial parts.

| Property                               | Test method | Test condition          | Units               | Value     |
|----------------------------------------|-------------|-------------------------|---------------------|-----------|
| <b>Thermal Property</b>                |             |                         |                     |           |
| Melt Index Flow                        | ASTM D1238  | 250℃, 2.16kg            | g/10min             | 50        |
| Heat Deflection Temperature            | ASTM D648   | 4.6kgf/cm <sup>2</sup>  | ℃                   | 150       |
|                                        | ASTM D648   | 18.6kgf/cm <sup>2</sup> | ℃                   | 50        |
| Melting Point                          | DSC         |                         | ℃                   | 220       |
| Flammability                           | UL94        | 0.8mm                   | –                   | HB        |
| <b>Mechanical Property</b>             |             |                         |                     |           |
| Tensile Strength                       | ASTM D638   | 23℃                     | kgf/cm <sup>2</sup> | 520       |
| Elongation at Break                    | ASTM D638   | 23℃                     | %                   | 150       |
| Flexural Strength                      | ASTM D790   | 23℃                     | kgf/cm <sup>2</sup> | 770       |
| Flexural Modulus                       | ASTM D790   | 23℃                     | kgf/cm <sup>2</sup> | 22,500    |
| Izod Impact Strength                   | ASTM D256   | 23℃                     | Kgfc/cm             | 4.4       |
| Rockwell Hardness                      | ASTM D785   | 23℃                     | R-scale             | 117       |
| <b>Others</b>                          |             |                         |                     |           |
| Specific Gravity                       | ASTM D792   | 23℃                     | –                   | 1.30      |
| Filler Contents                        | ASTM D5630  | Furnace                 | %                   | –         |
| Mold Shrinkage                         | ASTM D955   | 3t                      | %                   | 1.8 ~ 2.2 |
| Cylinder Temperature (Nozzle ~ Hopper) |             |                         | ℃                   | 250 ~ 230 |
| Mold Temperature                       |             |                         | ℃                   | 40 ~ 100  |

Above values are typical properties and not to be construed as specification.  
Properties are subject to change with a new knowledge and development.

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