

## Technical Data Sheet

### SAN(Styrene Acrylonitrile) SAN 330I

|                     |                                                    |
|---------------------|----------------------------------------------------|
| <b>Features</b>     | High transparency, High rigid, Blue ice            |
| <b>Applications</b> | Sunvisor, Fan, Vegetable container of Refrigerator |

| Physical         | Test Method    | Value                  |
|------------------|----------------|------------------------|
| Density          | ISO 1183       | 1.07 g/cm <sup>3</sup> |
| Melt Flow Index  | (230°C, 3.8kg) | 8.0 g/10min            |
|                  | (200°C, 5.0kg) | 2.4 g/10min            |
| Mold Shrinkage   | ISO 294-4      | 0.2 ~ 0.6 %            |
| Water absorption | ISO 62         | 0.3 %                  |

| Mechanical                  | Test Method | Value                 |
|-----------------------------|-------------|-----------------------|
| Tensile Strength            | ISO 527     | 69 Mpa                |
| Elongation                  | ISO 527     | 4.5 %                 |
| Flexural Strength           | ISO 178     | 83 MPa                |
| Flexural Modulus            | ISO 178     | 3,300 Mpa             |
| Izod Impact Strength(3.2mm) | ISO 180/1A  | 2.5 KJ/m <sup>2</sup> |
| Rockwell Hardness(M scale)  | ISO 2039-2  | 85                    |

| Thermal                                               | Test Method | Value  |
|-------------------------------------------------------|-------------|--------|
| Heat Deflection Temperature(18.6kgf/cm <sup>2</sup> ) | ISO 75-2    | 91 °C  |
| Vicat Softening Temperature(1kg, 50°C/h)              | ISO 306     | 108 °C |

| Flammability              | Test Method | Value |
|---------------------------|-------------|-------|
| Flame Rating - UL (1.6mm) | UL 94       | HB    |

#### Notes

These are just typical properties, not specifications. Users should confirm results by their own test.

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#### Processing guide

| Injection Guide | Unit | Value   |
|-----------------|------|---------|
| Nozzle          | °C   | 190~220 |
| Front           | °C   | 190~210 |
| Middle          | °C   | 180~200 |
| Rear            | °C   | 170~190 |
| Hopper Throat   | °C   | 45      |
| Mold            | °C   | 40~70   |

| Drying      | Unit | Value |
|-------------|------|-------|
| Temperature | °C   | 75~85 |
| Time        | hr   | 2~4   |

#### Notes

These are only mentioned as general guidelines.