

|                |                                 |
|----------------|---------------------------------|
| <b>Grade</b>   | J-595K                          |
| <b>Product</b> | Polypropylene, Random Copolymer |

#### General Information

|              |  |
|--------------|--|
| Key Features | <ul style="list-style-type: none"> <li>- Good Transparency and Gloss</li> <li>- Phthalate-free</li> <li>- High Flow</li> </ul> |
| Applications | <ul style="list-style-type: none"> <li>- Household goods</li> <li>- Transparent Food &amp; Cosmetic container</li> </ul>       |

| Item  | Measuring Method | Unit                | Value  |
|---|------------------|---------------------|--------|
| <b>Physical Properties</b>                            |                  |                     |        |
| Melt Flow Index (230°C, 2.16kg)                       | ASTM D1238       | g/10min             | 70     |
| Density   | ASTM D792        | g/cm <sup>3</sup>   | 0.9    |
| <b>Mechanical Properties</b>                          |                  |                     |        |
| Tensile Stress (Yield)                                | ASTM D638        | kgf/cm <sup>2</sup> | 270    |
| Tensile Strain (Break)                                | ASTM D638        | %                   | >100   |
| Flexural Modulus                                      | ASTM D790        | kgf/cm <sup>2</sup> | 11,000 |
| <b>Impact Properties</b>                              |                  |                     |        |
| Izod Impact Strength (notched, 23°C)                  | ASTM D256        | kgf·cm/cm           | 3.3    |
| Izod Impact Strength (notched, -10°C)                 | ASTM D256        | kgf·cm/cm           | 2.3    |
| <b>Thermal Properties</b>                             |                  |                     |        |
| Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> ) | ASTM D648        | °C                  | 90     |
| <b>Additional Properties</b>                          |                  |                     |        |
| Haze (2mmT)   | ASTM D1003       | %                   | 20     |

1. Physical Properties : these are not to be construed as specifications
2. ISO 9001, 14001, /TS 16949

\* The last update date : 2022/09/21