

## RANPELEN J-560K

## PP RANDOM COPOLYMER

### General Information

#### Description

J-560K is a high performance nucleated random copolymer for injection molding applications. This grade is designed to be processed in conventional injection molding equipment and offers super excellent transparency, good stiffness/impact strength balance, high gloss, good hinge property and low smell. J-560K is a 'Phthalate-Free' product.

#### Applications

- ◆ Cosmetics container & cap, Food container
- ◆ Transparency case, Stationery

### Physical Properties<sup>1</sup>

| Physical  | Test Method | Nominal Values |                     |       |     |
|---|-------------|----------------|---------------------|-------|-----|
| Melt Flow Index                                       | ASTM D1238  | 18             | g/10min             |       |     |
| Density   | ASTM D792   | 0.9            | g/cm <sup>3</sup>   |       |     |
| <b>Mechanical</b>                                     |             |                |                     |       |     |
| Tensile Stress (Yield)                                | ASTM D638   | 270            | kgf/cm <sup>2</sup> | 26    | MPa |
| Tensile Strain (Break)                                | ASTM D638   | >100           | %                   | >100  | %   |
| Flexural Modulus                                      | ASTM D790   | 11,000         | kgf/cm <sup>2</sup> | 1,080 | MPa |
| Rockwell Hardness                                     | ASTM D785   | 85             | R                   |       |     |
| <b>Impact</b>   |             |                |                     |       |     |
| Notched Izod Impact Strength (23℃)                    | ASTM D256   | 5.0            | kgf·cm/cm           | 49    | J/m |
| Notched Izod Impact Strength (-10℃)                   | ASTM D256   | 3.0            | kgf·cm/cm           | 29    | J/m |
| <b>Thermal</b>  |             |                |                     |       |     |
| Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> ) | ASTM D648   | 85             | ℃                   |       |     |
| <b>Additional Properties</b>                          |             |                |                     |       |     |
| Haze  | ASTM D1003  | 17             | %                   |       |     |

### NOTE

ISO 9001, 14001, /TS 16949

<sup>1</sup> Physical Properties : these are not to be construed as specifications