

# GJ-550

## Polypropylene (Random Copolymer)



### Product Description

GJ-550 is a polypropylene Random Copolymer produced by the Unipol process, and is designed suitable for injection molding. GJ-550 is designed to be processed in conventional injection molding equipment and offers excellent transparency.

### Key Features

- High Transparency
- High flow

### Applications

- Cosmetics container & Cap, Food container
- Transparent case, Stationery, Household goods

### Typical Properties

|            | Item                                            | Measuring Method |       | Value  | Unit                |
|------------|-------------------------------------------------|------------------|-------|--------|---------------------|
| Physical   | Melt Flow Index (230°C, 2.16kg)                 | ASTM             | D1238 | 12     | g/10min             |
|            | Density                                         | ASTM             | D1505 | 0.9    | g/cm <sup>3</sup>   |
| Mechanical | Tensile Stress (Yield)                          | ASTM             | D638  | 330    | kgf/cm <sup>2</sup> |
|            | Tensile Strain (Break)                          | ASTM             | D638  | > 100  | %                   |
|            | Flexural Modulus                                | ASTM             | D790  | 13,000 | kgf/cm <sup>2</sup> |
|            | Notched Izod Impact Strength (23°C)             | ASTM             | D256  | 5.5    | kgf-cm/cm           |
|            | Heat Deflection Temp. (4.6kgf/cm <sup>2</sup> ) | ASTM             | D648  | 90     | °C                  |
| Optical    | Haze                                            | ASTM             | D1003 | 25     | %                   |

• NOTE : These are not to be construed as specifications

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