

# GJ-170

## Polypropylene (Homopolymer)



### Product Description

GJ-170 is a polypropylene homopolymer produced by the Unipol process, and is designed suitable for injection molding. GJ-170 offers excellent heat resistance and surface strength. It is typically used in production of housewares and the general supplies.

### Key Features

- Heat resistance
- Surface strength
- Scratch resistance

### Applications

- Housewares and general supplies

### Typical Properties

|            | Item                                            | Measuring Method | Value  | Unit                |
|------------|-------------------------------------------------|------------------|--------|---------------------|
| Physical   | Melt Flow Index (230°C, 2.16 kg)                | ASTM D1238       | 35     | g/10min             |
|            | Density                                         | ASTM D1505       | 0,9    | g/cm <sup>3</sup>   |
| Mechanical | Tensile Stress (Yield)                          | ASTM D638        | 360    | kgf/cm <sup>2</sup> |
|            | Tensile Strain (Break)                          | ASTM D638        | < 100  | %                   |
|            | Flexural Modulus                                | ASTM D790        | 17.000 | kgf/cm <sup>2</sup> |
|            | Notched Izod Impact Strength (23°C)             | ASTM D256        | 3,0    | kgf·cm/cm           |
|            | Heat Deflection Temp. (4.6kgf/cm <sup>2</sup> ) | ASTM D648        | 110    | °C                  |

• NOTE : These are not to be construed as specifications

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