

## Product Datasheet

# Teldene R40ML

Polypropylene  
Random Copolymer

Basell licensed Spheripol Process



### TYPICAL APPLICATIONS

- ◆ Suitable for high clarity injection molding and injection-stretch blow molding applications.
- ◆ Used for the production of Housewares and Clear Containers.

### KEY CHARACTERISTICS

- ◆ Excellent Processability and flow-ability.
- ◆ Excellent Transparency.
- ◆ Good Impact Resistance.
- ◆ Food contact approval for specific applications (*refer to NATPET*)

### PROCESSING METHOD

Injection Molding

### QUALITATIVE

| Test                              | Conditions    | Method      | Value | Unit              |
|-----------------------------------|---------------|-------------|-------|-------------------|
| <b>Basic</b>                      |               |             |       |                   |
| Density                           |               | ISO 1183    | 0.900 | g/cm <sup>3</sup> |
| Melt Flow Rate (MFR)              | 230°C/2.16 kg | ISO 1133    | 40    | g/10-min          |
| <b>Mechanical</b>                 |               |             |       |                   |
| Flexural Modulus                  | 1-mm/min      | ISO 178     | 1,000 | MPa               |
| Tensile Stress at Yield           | 50-mm/min     | ISO 527     | 28.0  | MPa               |
| Tensile Strain at Break           |               | ISO 527     | 12    | %                 |
| Notched Izod Impact Strength      | 23 °C         | ISO 180/1A  | 6     | kJ/m <sup>2</sup> |
| <b>Thermal</b>                    |               |             |       |                   |
| Deflection Temperature Under Load | 0.45 Mpa      | ISO 75      | 90    | °C                |
| <b>Optical</b>                    |               |             |       |                   |
| Haze                              | 1.0 mm        | ASTM D 1003 | 6.0   | %                 |

Note: The above are typical data representing the product; not to be construed as analysis certificate or specifications

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