Technical Data Sheet

# CAPILENE® T 77 A

## Polypropylene Homopolymer

### Product Description

**CAPILENE® T 77 A** is a polypropylene homopolymer intended for injection molding.

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|---|---|---|
| **Features:** | • Nucleated<br>• Mold release | • High stiffness<br>• Short cycle time |
| **Uses:** | • Household articles<br>• Caps and closures | • Food packaging |
| **Processing Methods:** | • Injection molding | |

| Properties | | Method | Typical Value* | Unit |
|---|---|---|---|---|
| **Physical** | | | | |
| **Melt Flow Rate** | (230°C/2.16 kg) | ISO 1133 | 25 | g/10 min |
| **Mechanical** | | | | |
| **Tensile Stress at Yield** | (50 mm/min) | ISO 527-2 | 38 | MPa |
| **Tensile Strain at Yield** | (50 mm/min) | ISO 527-2 | 9 | % |
| **Flexural Modulus** | (5 mm/min) | ISO 178 | 2000 | MPa |
| **Izod Impact Strength, notched** | (+23°C) | ISO 180 | 2.5 | $kJ/m^2$ |
| **Thermal** | | | | |
| **Vicat Softening Temperature** | (10 N) | ISO 306 | 155 | °C |
| **Heat Deflection Temperature** | (0.45 MPa) | ISO 75-2 | 110 | °C |

*Typical values; not to be construed as specifications.

### Health, Quality, Regulations and Safety

This product is not classified as dangerous substance and intended for industrial use, to produce plastic articles. Material safety data sheets, international standards certificates and other regulatory documents are available on our website. Carmel Olefins products have not been tested and therefore not validated for use in pharmaceutical/medical applications, and their suitability for these uses cannot be guaranteed. It is the customer's responsibility to test and approve their technical and regulatory suitability in order to satisfy themselves as to the particular purpose and application(s).

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