



Technical Data Sheet

CAPILENE® TR 50

Polypropylene Impact Copolymer

Description

CAPILENE® TR 50 is a very high impact polypropylene heterophasic copolymer intended for injection molding.

CAPILENE® TR 50 features: excellent impact strength even at low temperature and good processability.

Applications

CAPILENE® TR 50 is suitable for: technical items, closures, crates and boxes.

Quality, Environment and Safety Regulations

Material Safety Data Sheets and other regulatory documents are available on our web site <http://www.caol.co.il>

| Properties | | Method | Typical Value* | Unit |
|-------------------------------|-----------------|-----------|----------------|-------------------|
| Physical | | | | |
| Melt Flow Rate | (230°C/2.16 kg) | ISO 1133 | 12 | g/10 min |
| Mechanical | | | | |
| Tensile Stress at Yield | (50 mm/min) | ISO 527-2 | 19 | MPa |
| Tensile Strain at Yield | (50 mm/min) | ISO 527-2 | 8 | % |
| Flexural Modulus | (5 mm/min) | ISO 178 | 850 | MPa |
| Izod Impact Strength, notched | (+23°C) | ISO 180 | 40 | kJ/m ² |
| Izod Impact Strength, notched | (-20°C) | ISO 180 | 8 | kJ/m ² |
| Thermal | | | | |
| Vicat Softening Temperature | (10 N) | ISO 306 | 140 | °C |
| Heat Deflection Temperature | (0.45 MPa) | ISO 75-2 | 67 | °C |

*Typical values; not to be construed as specifications.