



PETROLENE® 1102H

DESCRIPTION

PETROLENE® 1102H is a polypropylene (PP) homopolymer for extrusion and thermoforming applications.

It complies with US FDA 21 CFR 177.1520 and EU 10/2011 Regulations (Food Contact), EU Directive 2006/1907/EC Regulation (REACH), and EU Directive 2002/95/EC Regulation (RoHS).

TYPICAL APPLICATIONS

- Flat and corrugated sheets
- Strapping
- Twines, ropes
- Caps and closures
- Thermoformed cups

PACKAGING

- 25-kg PP woven bag
- FIBC/Jumbo PP woven bag

TYPICAL CHARACTERISTICS

| | Unit | Test Method | Value |
|--|---------|-------------|-------|
| <u>Melt Flow Properties</u> | | | |
| MFR 230/2.16 | g/10min | ISO 1133 | 2.0 |
| <u>Mechanical Properties</u> | | | |
| Tensile Modulus of Elasticity (v=1mm/min) | MPa | ISO 527-2 | 1500 |
| Tensile Yield Stress (v=50mm/min) | MPa | ISO-527-2 | 35 |
| Tensile Yield Strain (v=50mm/min) | % | ISO 527-2 | 10 |
| Tensile Strain at Break (v=50 mm/min) | % | ISO 527-2 | >50 |
| <u>Thermal Properties</u> | | | |
| Melting Point, DSC | °C | ISO 11357 | 161 |
| Heat Deflection Temperature, HDT/B (0.45MPa) | °C | ISO 75-2 | 85 |
| Vicat Softening Temperature, VST/A50 (10N) | °C | ISO 306 | 154 |
| Vicat Softening Temperature, VST/B50 (50N) | °C | ISO 306 | 92 |
| <u>Other Properties</u> | | | |
| Density (Absolute) | g/cc | ISO 1183 | 0.91 |

The values presented above are typical values based on a limited number of tests, not to be construed as specifications and may vary within moderate ranges. Due to the many factors that may affect processing and application, these data do not relieve the user of this product from the responsibility of carrying out own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose of the products made with or on the basis of the above information.