



COSMOPLENE® Y101H

CHARACTERISTICS

COSMOPLENE Y101H is high flow, high stiffness Polypropylene Homopolymer.

APPLICATIONS

COSMOPLENE Y101H is specially designed for injection products such as electric appliances which require heat stability under wet and hot conditions. It is good for food contact applications.

Y101H complies with U.S. FDA Regulation 21 CFR 177.1520 (C) 1.1a, as long as it is used unmodified and processed according to standard manufacturing practices in the industries.

Note : Direct food contact is subjected to the extraction provisions of the regulation on the finished food contact article.

PHYSICAL PROPERTIES

| ITEM | UNIT | Y101H | TEST METHOD |
|-------------------------------|-------------------|-------|--------------|
| Melt Flow Rate | g/10 mins | 15 | ASTM D1238 |
| Density | g/cm ³ | 0.9 | ASTM D792 |
| Melting Point | °C | 165 | TPC METHOD |
| Ultimate Strength | MPa | 34.3 | ASTM D638 |
| Elongation | % | 650 | ASTM D638 |
| Flexural Modulus | MPa | 1,420 | ASTM D790 |
| Izod Impact (23°C) | KJ/m ² | 2.5 | ASTM D256 |
| HDT (4.6 Kg/cm ²) | °C | 120 | ASTM D648 |
| Flammability | - | HB | UL-94 |
| Relative Temp. Index | °C | 120 | UL (E108370) |

PROCESSING CONDITIONS

Injection Temperature : 220-260°C
Injection Pressure G : 70 kg/cm²
Mold Temp (°C) : 40 - 50°C

