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COSMOPLENE® W331

CHARACTERISTICS

COSMOPLENE W331 is a Polypropylene Random Copolymer manufactured by latest production technology licensed from Sumitomo Chemical Co. Japan, with excellent processability and physical properties.

APPLICATIONS

W331 is designed for bottle produced by Injection Stretch Blow Molding (ISBM) process.

W331 meets the USP Class VI requirements.

W331 complies with U.S. FDA Regulation 21 CFR 177.1520 (C) 3.1a, as long as it is used unmodified and processed according to standard manufacturing practices in the industries.

PHYSICAL PROPERTIES

| ITEM | UNIT | W331 | ASTM METHOD |
|--------------------------------|-----------|-----------|-------------|
| Melt Flow Rate | g/10 mins | 7 | D1238 |
| Density | g/cm³ | 0.90 | D1505 |
| Tensile Strength | Мра | 45 | D638 |
| Elongation at break | % | >800 | D638 |
| Flexural Modulus | Мра | 1030 | D790 |
| Izod Impact Strength (23°C) | KJ/m² | 3.6 | D256 |
| Rockwell Hardness | R Scale | 89 | D785 |
| HDT (4.6 kgf/cm ²) | °C | 108 | D648 |
| Melting Point | °C | 151 | TPC |
| Shrinkage (MD/TD) | % | 1.40/1.40 | TPC |

The figures presented are typical laboratory averages, only for reference.

Notice: Before using TPC W331, it is the responsibility of customers and other users to make their own independent determination that TPC W331 is safe, lawful and technically suitable for any intended medical related use. The Polyolefin Company makes no promises or guarantees concerning the suitability of TPC W331 for use in any given medical application.

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