# The Polyolefin Company (Singapore) Pte. Ltd.

# COSMOPLENE® FS3012

## CHARACTERISTICS

**COSMOPLENE FS3012** is Polypropylene Homopolymer specially designed for excellent stretchability, good optical properties and film stiffness balance.

## APPLICATIONS

**COSMOPLENE FS3012** is formulated for Biaxially oriented film for printing lamination, cigarette packaging, print label and metalize films.

**FS3012** 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 | FS3012 | TEST METHOD |
|---|---|---|---|
| Melt Flow Rate | g/10 mins | 3.0 | ASTM D1238 |
| Density | $g/cm^3$ | 0.90 | ASTM D792 |
| Tensile Strength at break | MPa | 47 | ASTM D638 |
| Elongation | % | 850 | ASTM D638 |
| Stiffness | MPa | 1,370 | ASTM D747 |
| Melting Point | °C | 165 | TPC METHOD |

- The figures presented are typical laboratory averages, only for reference.
- The information is based on our current knowledge, is subjected to continuous updates and is intended to suggest/ recommend product applications and to provide typical data on the related properties. It should not therefore be construed as guaranteeing any specific property of the product. TPC makes no warranty of any kind, expressed or implied, regarding the accuracy of these data.

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塑料专家 www.ponci.com.cn/wxb/ +13538586433 +18816996168