

COSMOPLENE® FL7540L

Polypropylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOPLENE FL7540L is Polypropylene Terpolymer product with good Aluminum adhesiveness, good process stability and high gloss. COSMOPLENE FL7540L is designed for Aluminum metalized cast film (M-CPP) application. FL7540L contains antiblocking agent only.

| General Information | | | |
|-------------------------------------|-----------------------------|-------------------|-----------------|
| Additive | Antiblock | | |
| Features | Antiblocking | | |
| | Good Adhesion | | |
| | Good Processing Stability | | |
| | High Gloss | | |
| | Metallizable | | |
| | Terpolymer | | |
| Uses | Cast Film | | |
| Agency Ratings | FDA 21 CFR 177.1520(c) 3.2a | | |
| Processing Method | Cast Film | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.900 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) | 7.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 44.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 850 | % | ASTM D638 |
| Apparent Bending Modulus | 980 | MPa | ASTM D747 |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 30 | µm | |
| Secant Modulus | | | Internal Method |
| MD : 30 µm | 520 | MPa | |
| TD : 30 µm | 530 | MPa | |
| Seal Initiation Temperature (30 µm) | 125 | °C | Internal Method |
| Thermal | Nominal Value | Unit | Test Method |
| Melting Temperature | 138 | °C | Internal Method |
| Optical | Nominal Value | Unit | Test Method |
| Gloss (30.0 µm) | 165 | | ASTM D2457 |
| Haze (30.0 µm) | 2.0 | % | ASTM D1003 |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | 240 | °C | |
| Take-Off Roll | 50.0 | °C | |

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