

ORIENTENE FM 08

Polypropylene Homopolymer
Oriental Petrochemical Company

Message:

ORIENTENE FM 08 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Africa & Middle East.

Important attributes of ORIENTENE FM 08 are:

- Food Contact Acceptable
- Good Aesthetics
- Good Processability
- High Strength

Typical applications include:

- Food Contact Applications
- Bags/Liners
- Film

| General Information | | | |
|---|----------------------------|-------------------|----------------------|
| Features | Food Contact Acceptable | | |
| | Good Processing Stability | | |
| | High Strength | | |
| | Metallizable | | |
| | Opticals | | |
| Uses | Film | | |
| | Laundry Bags | | |
| Agency Ratings | EU 2002/72/EC | | |
| | FDA 21 CFR 177.1520(c) 1.1 | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.905 | g/cm ³ | ISO 1183, ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 8.0 | g/10 min | ASTM D1238, ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | | | |
| Yield ¹ | 32.0 | MPa | ASTM D638 |
| Yield | 32.0 | MPa | ISO 527-2/50 |
| Tensile Elongation | | | |
| Yield ² | 9.0 | % | ASTM D638 |
| Yield | 9.0 | % | ISO 527-2/50 |
| Flexural Modulus - 1% Secant ³ | 1400 | MPa | ASTM D790A, ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 35 | J/m | ISO 180, ASTM D256A |
| Thermal | Nominal Value | Unit | Test Method |


| | | | |
|--|------------|----|-----------------------|
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 104 | °C | ASTM D648, ISO 75-2/B |
| NOTE | | | |
| 1. | 50 mm/min | | |
| 2. | 50 mm/min | | |
| 3. | 1.3 mm/min | | |

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