

LUMICENE® mPE M 2710 EP

(PE-LD+PPA)

TotalEnergies

Product Texts

Lumicene mPE M 2710 EP is a metallocene based Low Density Polyethylene with hexene as comonomer

Processing/Physical Characteristics

| | Value | Unit | Test Standard |
|----------------------|-------|---------|---------------|
| ISO Data | | | |
| Melt flow index, MFI | 0.9 | g/10min | ISO 1133 |
| Temperature | 190 | °C | - |
| Load | 2.16 | kg | - |

Thermal properties

| | Value | Unit | Test Standard |
|-------------------------------|-------|------|----------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 119 | °C | ISO 11357-1/-3 |

Optical properties

| | Value | Unit | Test Standard |
|------------------|-------|------|---------------|
| ISO Data | | | |
| Haze | 6.5 | - | ISO 14782 |
| ASTM Data | | | |
| Gloss | 70 | - | ASTM D 2457 |

Other properties

| | Value | Unit | Test Standard |
|---------|-------|-------------------|---------------|
| Density | 927 | kg/m ³ | ISO 1183 |

Film Properties

| | Value | Unit | Test Standard |
|---------------------------|-------|------|---------------|
| ISO Data | | | |
| Stress at yield, parallel | 13.5 | MPa | ISO 527-3 |
| Stress at yield, normal | 14 | MPa | ISO 527-3 |
| Stress at break, parallel | 51 | MPa | ISO 527-3 |
| Stress at break, normal | 48 | MPa | ISO 527-3 |
| Maximum strain, parallel | 650 | % | ISO 527-3 |
| Maximum strain, normal | 720 | % | ISO 527-3 |
| Dart drop A | 200 | g | ISO 7765-1 |
| Type of extrusion | blown | - | - |
| Thickness of specimen | 0.04 | mm | - |

Processing Recommendation Extrusion

| | Value | Unit | Test Standard |
|-------------------|-----------|------|---------------|
| Type of extrusion | blown | - | - |
| Melt temperature | 180 - 230 | °C | - |

Characteristics**Processing**

Blown Film Extrusion, Film Extrusion

Certifications

Food contact

Special Characteristics

Transparent

Applications

Packaging

Features

Blending Resin, High Gloss

Regional Availability

Europe

Chemical Resistance

Oxidation Resistance