

MARPOL® LDC 770

Low Density Polyethylene

Marco Polo International, Inc.

Message:

Recommended Applications

Coating, blown film, cast film, garment film, hygiene film, laundry film and compounding

Description

MARPOL® LDC 770 is a homopolymer film and coating resin. This resin has excellent toughness and can be drawn-down to thin gauges.

| General Information | | | |
|---|----------------------|-------------------|-------------|
| Features | Good Drawdown | | |
| | Good Toughness | | |
| | Homopolymer | | |
| Uses | Cast Film | | |
| | Coating Applications | | |
| | Compounding | | |
| | Film | | |
| Processing Method | Blown Film | | |
| | Cast Film | | |
| | Coating | | |
| | Compounding | | |
| | Film Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.920 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 7.0 | g/10 min | ASTM D1238 |
| Films | Nominal Value | Unit | Test Method |
| Secant Modulus | | | ASTM D882 |
| 1% Secant, MD | 165 | MPa | |
| 1% Secant, TD | 200 | MPa | |
| Tensile Strength | | | ASTM D882 |
| MD : Yield | 8.96 | MPa | |
| TD : Yield | 8.96 | MPa | |
| MD : Break | 20.7 | MPa | |
| TD : Break | 17.9 | MPa | |
| Tensile Elongation | | | ASTM D882 |
| MD : Break | 390 | % | |
| TD : Break | 680 | % | |

| | | | |
|--------------------------|---------------|------|-------------|
| Dart Drop Impact | 80 | g | ASTM D1709A |
| Elmendorf Tear Strength | | | ASTM D1922 |
| MD | 440 | g | |
| TD | 200 | g | |
| Thermal | Nominal Value | Unit | |
| Peak Melting Temperature | 109 | °C | |
| Optical | Nominal Value | Unit | Test Method |
| Gloss (45°) | 82 | | ASTM D2457 |
| Haze | 4.0 | % | ASTM D1003 |

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