

MTEGRITY™ LDPE LD127AM

Low Density Polyethylene

M. Holland Company

Message:

Low Density Polyethylene
Good strength and toughness
Excellent Processability
Medium Antiblock
Industrial Packaging
Shrink film
Freezer film

| General Information | | | |
|---|----------------------------|-------------------|-------------|
| Additive | Moderate caking resistance | | |
| Features | Low density | | |
| | Workability, good | | |
| | Good strength | | |
| | Good toughness | | |
| | Moderate caking resistance | | |
| Uses | Blown Film | | |
| | Packaging | | |
| | Industrial application | | |
| | Shrinkable film | | |
| Forms | Particle | | |
| Processing Method | Blow film | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.919 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.70 | g/10 min | ASTM D1238 |
| Films | Nominal Value | Unit | Test Method |
| secant modulus | | | ASTM D882 |
| 1% secant, MD | 200 | MPa | ASTM D882 |
| 1% secant, TD | 245 | MPa | ASTM D882 |
| Tensile Strength | | | ASTM D882 |
| MD: Yield | 25.5 | MPa | ASTM D882 |
| TD: Yield | 19.3 | MPa | ASTM D882 |
| Tensile Elongation | | | ASTM D882 |
| MD: Fracture | 150 | % | ASTM D882 |
| TD: Fracture | 500 | % | ASTM D882 |
| Dart Drop Impact (38 µm) | 150 | g | ASTM D1709 |

| Elmendorf Tear Strength | | | ASTM D1922 |
|-------------------------|---------------|------|-------------|
| MD : 38 μm | 330 | g | ASTM D1922 |
| TD : 38 μm | 150 | g | ASTM D1922 |
| Optical | Nominal Value | Unit | Test Method |
| Gloss (45°, 38.1 μm) | 45 | | ASTM D2457 |
| Haze (38.1 μm) | 15 | % | ASTM D1003 |

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