

Braskem PE LL6800N

Linear Low Density Polyethylene

Braskem

Message:

LL6800N resin is a Linear Low Density Polyethylene, copolymer of octene-1, produced by solution process, for blown film extrusion with excellent mechanical properties. It contains antiblock, processing aid and antioxidant additives.

| General Information | | | |
|---|---------------------|-------------------|-------------|
| Additive | Antiblock | | |
| | Antioxidant | | |
| | Processing Aid | | |
| Features | Antiblocking | | |
| | Antioxidant | | |
| | Octene Comonomer | | |
| Uses | Bags | | |
| | Blending | | |
| | Film | | |
| | Liners | | |
| | Packaging | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Processing Method | Blown Film | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.921 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.75 | g/10 min | ASTM D1238 |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 25 | µm | ASTM D882 |
| Tensile Strength | | | |
| MD : Break, 25 µm,Blown Film | 40.0 | MPa | |
| TD : Break, 25 µm,Blown Film | 40.0 | MPa | ASTM D882 |
| Tensile Elongation | | | |
| MD : Break, 25 µm,Blown Film | 900 | % | |
| TD : Break, 25 µm,Blown Film | 1200 | % | ASTM D790 |
| Flexural Modulus | | | |
| 1% Secant, MD : 25 µm, Blown Film | 180 | MPa | |
| 1% Secant, TD : 25 µm, Blown Film | 200 | MPa | ASTM D1709 |
| Dart Drop Impact (25 µm, Blown Film) | 190 | g | |
| Elmendorf Tear Strength | | | ASTM D1922 |

| MD : 25 μm, Blown Film | 260 | g | |
|----------------------------------|---------------|------|-------------|
| TD : 25 μm, Blown Film | 570 | g | |
| Optical | Nominal Value | Unit | Test Method |
| Gloss (60°, 25.0 μm, Blown Film) | 103 | | ASTM D2457 |
| Haze (25.0 μm, Blown Film) | 14 | % | ASTM D1003 |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | 200 to 220 | °C | |

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