

RECLAIR® F 22020

Linear Low Density Polyethylene

Reliance Industries Limited

Message:

Reclair F 22020, is a Butene comonomer based linear low density polyethylene with optimum levels of antioxidant, antiblocking agent and slip additive. The grade is designed to make blown film for general purpose applications and blending with LDPE.

| General Information | | | |
|---|----------------------|-------------------|-------------|
| Additive | Anti-caking agent | | |
| | Antioxidation | | |
| | slip agent | | |
| Features | smoothness | | |
| | Anti-caking property | | |
| | Antioxidation | | |
| Uses | Films | | |
| | Mixing | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Forms | Particle | | |
| Processing Method | Blow film | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.918 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 1.7 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Coefficient of Friction | | | ASTM D1894 |
| With self-dynamics | 0.16 | | ASTM D1894 |
| With Self-Static | 0.23 | | ASTM D1894 |
| Films | Nominal Value | Unit | Test Method |
| Tensile Strength | | | ASTM D882 |
| MD: Yield, 40 µm | 12.0 | MPa | ASTM D882 |
| TD: Yield, 40 µm | 11.5 | MPa | ASTM D882 |
| MD: Break, 40 µm | 28.0 | MPa | ASTM D882 |
| TD: Break, 40 µm | 25.0 | MPa | ASTM D882 |
| Tensile Elongation | | | ASTM D882 |
| MD: Break, 40 µm | 700 | % | ASTM D882 |
| TD: Break, 40 µm | 800 | % | ASTM D882 |
| Dart Drop Impact (40 µm) | 120 | g | ASTM D1709 |
| Elmendorf Tear Strength | | | ASTM D1922 |

| | | | |
|------------|-----|---|------------|
| MD : 40 μm | 96 | g | ASTM D1922 |
| TD : 40 μm | 300 | g | ASTM D1922 |

Additional Information

Film properties taken from 40μm blown film made with 2.5 mm die gap and a BUR of 2.25.

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