

LLDPE FT870

YUCLAIR FT870 is octene-1 copolymer designed for use in diaper film and casting type packaging film application. YUCLAIR FT870 provides stronger film than ones made from competitive LLDPE film grades. Therefore YUCLAIR FT870 shows superior stiffness, tensile strength, gel-free, and processibility. YUCLAIR FT870 can be processed readily into casting film using standard extrusion techniques. YUCLAIR FT870 complies with FDA regulations in 21 CFR177.1520 for all food contact.

Application / Use Case

Film / diaper, T-Die

Specification

| | Specification | Unit | Test Method |
|------------|---------------|-------------------|-------------|
| Density | 0.919 | g/cm ³ | ASTM D1505 |
| Melt Index | 4.0 | g/10min | ASTM D1238 |

Physical Properties

| | Value | Unit | Test Method |
|-------------------------------|-------|--------------------|-------------|
| Film Thickness | 40 | μm | ASTM D746 |
| Tensile Strength at Yield(MD) | 100 | kg/cm ² | ASTM D882 |
| Tensile Strength at Yield(TD) | 100 | kg/cm ² | ASTM D882 |
| Tensile Strength at Break(MD) | 470 | kg/cm ² | ASTM D882 |
| Tensile Strength at Break(TD) | 380 | kg/cm ² | ASTM D882 |
| Elongation at Break(MD) | 700 | % | ASTM D882 |
| Elongation at Break(TD) | 860 | % | ASTM D882 |

ISO 9001 Certified



| | | | |
|----------------------|-----|------|-------------|
| Tear Strength(MD) | 10 | g/μm | ASTM D1922 |
| Tear Strength(TD) | 20 | g/μm | ASTM D1922 |
| Dart Impact Strength | 170 | g | ASTM D1709A |
| Haze | 3 | % | ASTM D1003 |

Note : These are **typical properties** only, and are **not to be construed as specifications**. The physical properties are highly dependent on the manufacturing conditions. So customers should performances by their own tests.

Film Extrusion Condition: Screw Dia 40mm, Die Gap 1mm, Melt Temp(°C) 190~230

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