

LLDPE H1918.SA

Linear Low Density Polyethylene -
Hexene



Overview

LLDPE H1918 features high strength, excellent toughness, and low gel count.

FDA Status: This material complies with FDA regulations in 21 CFR, section 177.1520

Applications

- Heavy duty bags
- Commercial packaging
- Can liners
- Food packaging

| Property | Value | Unit | ASTM |
|--------------------------------------|---------------|-------------------|--------|
| Melt index (condition 230°C/2.16 kg) | 1 | g/10 min | D 1238 |
| Density (g/cm ³) | 0.918 | g/cm ³ | D 792 |
| Elmendorf Tear Strength (MD/TD) | 350/625 | g | D1922 |
| Dart Drop Impact | 220 | g | D1709A |
| Tensile Strength at Break (MD/TD) | 8,200/6,100 | psi | D882 |
| Flexural Modulus, 1% Secant (MD/TD) | 29,500/32,000 | psi | D882 |
| Tensile Strength at Break | 1,300 | psi | D638 |
| Elongation at Break (MD/TD) | 580/690 | % | D882 |
| Elongation at Yield | 8 | % | D638 |
| Haze | 19 | % | D1003 |
| Gloss 45° | 35 | | D2457 |