

# 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 <sup>3</sup> )         | 0.918         | g/cm <sup>3</sup> | 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  |