

## TechResin<sup>®</sup> 1419A

### **Linear Low Density Polyethylene (LLDPE) Resin Hexene Copolymer for Film Extrusion Applications**

TechResin<sup>®</sup> 1419A is a general-purpose film grade linear low density made using gas-phase technology. The resin exhibits excellent toughness and strength when drawn down to thin gauges.

TechResin<sup>®</sup> 1419A meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

#### **Suggested Applications:**

|                      |                   |
|----------------------|-------------------|
| Blending Resin       | Industrial Liners |
| Industrial Packaging | Garment Bags      |
| Co-Extrusion         |                   |

#### **Nominal Physical Properties:**

| PROPERTY                                  | ASTM TEST METHOD | UNIT      | VALUE        |
|---|------------------|-----------|--------------|
| Density                                   | D1505            | g/cc      | 0.919        |
| Melt Index, Condition E,<br>190°C/2.16 kg | D1238            | g/10 min. | 0.95         |
| Dart Impact                               | D1709            | g/mil.    | 160          |
| Tear Strength                             | D1922            | g/mil.    | 400/630*     |
| Tensile Strength at Break                 | D882             | psi.      | 4,750/3,485* |
| Elongation                                | D882             | %         | 520/780*     |
| Gloss, 45°                                | D523             |           | 33           |
| Haze                                      | D1003            | %         | 21           |

\* MD / TD

Available in the following additive packages:

| Additive        | 1419A                | 1419B | 1419H            | 1419E2               | 1419X            |
|-----------------|----------------------|-------|------------------|----------------------|------------------|
| Antiblock (ppm) | 7000                 | None  | None             | 7000                 | None             |
| Slip (ppm)      | None                 | None  | None             | 1500                 | None             |
| Special         | Additives talc based | -     | High Antioxidant | Additives talc based | High Antioxidant |

Note: Film Properties based on 25 Micron blown film produced with a 2.5:1 Blow Up Ratio. Actual film properties may vary depending on operating conditions and additive packages. Film properties are not intended to be used as specifications.

*Published 08/01/04, Revised 01/11/16*

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