

## TechResin<sup>®</sup> 1495PE

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

TechResin<sup>®</sup> 1495PE 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> 1495PE 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, 190°C/2.16 kg | D1238            | g/10 min. | 0.95         |
| Dart Impact                            | D1709            | g/mil.    | 135          |
| Tear Strength                          | D1922            | g/mil.    | 150/385*     |
| Tensile Strength at Break              | D882             | psi.      | 5,100/4,130* |
| Elongation                             | D882             | %         | 690/920*     |
| Gloss, 45°                             | D523             |           | 40           |
| Haze                                   | D1003            | %         | 20           |

\* MD / TD

Available in the following additive packages:

| Additive        | 1495A                | 1495B | 1495E2                    | 1495F                | 1495H            | 1495M                | 1495PE**                  |
|-----------------|----------------------|-------|---------------------------|----------------------|------------------|----------------------|---------------------------|
| Antiblock (ppm) | 7500                 | None  | 1700                      | 7000                 | None             | 8000                 | 1700                      |
| Slip (ppm)      | None                 | None  | 1350                      | 1350                 | None             | 1500                 | 1350                      |
| Special         | Additives talc based | -     | Additives synthetic based | Additives talc based | High Antioxidant | Additives talc based | Additives synthetic based |

\*\* Contains processing aid

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.

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