

## Technical Data Sheet

### Applications

- Blown film
- Core layer in multilayer films

### Product Description

MXSTEN® CV77526 resin is a linear low density polyethylene plastomer designed for blown film applications. It does not contain any slip or antiblock additives. It is recommended for multilayer films as a core layer to increase dart impact, puncture resistance, and tear properties of the overall film structure.

### Typical Physical Properties

| Property <sup>a</sup>                 |      | Test Method <sup>b</sup> | Typical Value, Units <sup>c</sup>                |
|---------------------------------------|------|--------------------------|--|
| Melt Index (Condition 190° C/2.16 kg) |      | D 1238                   | 0.7 g/10 min                                     |
| Density                               |      | D 4883                   | 910 kg/m <sup>3</sup> (0.910 g/cm <sup>3</sup> ) |
| Haze                                  |      | D 1003                   | 6 %  |
| Gloss @ 45°                           |      | D 2457                   | 74   |
| Dart Impact                           |      | D 1709A                  | 1,200 g  |
| Elmendorf Tear Resistance             | M.D. | D 1992                   | 400 g/mil  |
|                                       | T.D. | D 1992                   | 620 g/mil  |
| Tensile Strength @ Break              | M.D. | D 882                    | 59.3 MPa (8,600 psi)                             |
|                                       | T.D. | D 882                    | 46.2 MPa (6,700 psi)                             |
| Elongation @ Break                    | M.D. | D 882                    | 680 %  |
|                                       | T.D. | D 882                    | 1,030 %  |
| Tensile Modulus, 1% Secant            | M.D. | D 882                    | 137.9 MPa (20,000 psi)                           |
|                                       | T.D. | D 882                    | 110.3 MPa (16,000 psi)                           |

<sup>a</sup> Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

<sup>b</sup> Unless noted otherwise, the test method is ASTM.

<sup>c</sup> Units are in SI or US customary units.

### Notes

Test specimens for blown film: nominal thickness 1.0 mils; blow up ratio 2.5:1, die gap 100 mils.

### Processing

Melt temperatures of 410°F – 440°F are recommended for MXSTEN® CV77526 with blow-up ratios of 1.5:1 or higher.

### Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

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