



# MXSTEN® CV77528

LLDPE Plastomer

## Technical Data Sheet

### Applications

- Blown or cast films
- Core layer in multilayer films

### Product Description

MXSTEN® CV77528 resin is a linear low density polyethylene plastomer designed for blown and cast film applications. It does not contain any slip or antiblock additives. It is recommended for multilayer films as a core layer to increase the 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                   | 2.0 g/10 min                                     |
| Density                              | D 4883                   | 910 kg/m <sup>3</sup> (0.910 g/cm <sup>3</sup> ) |
| Haze                                 | D 1003                   | 13%                                              |
| Gloss @ 45°                          | D 2457                   | 55                                               |
| Dart Impact                          | D 1709                   | 300 g                                            |
| Elmendorf Tear Resistance            | M.D.<br>T.D.             | D 1922<br>D 1922                                 |
|                                      |                          | 300 gf<br>550 gf                                 |
| Tensile Strength @ Break             | M.D.<br>T.D.             | D 882<br>D 882                                   |
|                                      |                          | 35.2 MPa (5,100 psi)<br>40.0 MPa (5,800 psi)     |
| Elongation @ Break                   | M.D.<br>T.D.             | D 882<br>D 882                                   |
|                                      |                          | 700%<br>640%                                     |
| Tensile Modulus, 1% Secant           | M.D.<br>T.D.             | D 882<br>D 882                                   |
|                                      |                          | 137.9 MPa (20,000 psi)<br>115.1 MPa (16,700 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 390°F – 420°F are recommended for MXSTEN® CV77528 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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