

# ExxonMobil™ HDPE HD 7925.30

## High Density Polyethylene Resin

### Product Description

HD 7925.30 is a medium molecular weight HDPE homopolymer for use in blown and cast film applications. Typical applications include those with low WVTR and clarity requirements.

### General

|                           |                                                              |                                                                       |                           |
|---------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------|
| Availability <sup>1</sup> | • Latin America                                              | • North America                                                       | • South America           |
| Additive                  | • Antiblock: No                                              | • Slip: No                                                            | • Thermal Stabilizer: Yes |
| Applications              | • Barrier Food Packaging<br>• Blown Film<br>• Food packaging | • Heavy Duty Bags<br>• Oriented Film Products<br>• Skin Layer for OPP | • Stand Up Pouches        |
| Revision Date             | • December 2012                                              |                                                                       |                           |

| Resin Properties           | Typical Value (English) | Typical Value (SI) | Test Based On     |
|----------------------------|-------------------------|--------------------|-------------------|
| Density                    | 0.965 g/cm³             | 0.965 g/cm³        | ExxonMobil Method |
| Melt Index (190°C/2.16 kg) | 2.5 g/10 min            | 2.5 g/10 min       | ASTM D1238        |

| Film Properties               | Typical Value (English) | Typical Value (SI) | Test Based On |
|-------------------------------|-------------------------|--------------------|---------------|
| Tensile Strength at Yield MD  | 4600 psi                | 32 MPa             | ASTM D882     |
| Tensile Strength at Yield TD  | 4000 psi                | 27 MPa             | ASTM D882     |
| Tensile Strength at Break MD  | 6300 psi                | 44 MPa             | ASTM D882     |
| Tensile Strength at Break TD  | 5600 psi                | 39 MPa             | ASTM D882     |
| Elongation at Break MD        | 790 %                   | 790 %              | ASTM D882     |
| Elongation at Break TD        | 6 %                     | 6 %                | ASTM D882     |
| Secant Modulus MD             | 150000 psi              | 1100 MPa           | ASTM D882     |
| Secant Modulus TD - 1% Secant | 220000 psi              | 1500 MPa           | ASTM D882     |
| Dart Drop Impact              | 50 g                    | 50 g               | ASTM D1709    |
| Elmendorf Tear Strength MD    | 9 g                     | 9 g                | ASTM D1922    |
| Elmendorf Tear Strength TD    | 200 g                   | 200 g              | ASTM D1922    |

### Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

### Processing Statement

Film (1 mil/ 25.4 micron) made from HD7925.30 on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blown-up ratio, a melt temperature of 408°F (209°C) at a rate of 10 lbs/hr/in die circumference (1.79 kg/hr/cm), in 'pocket' mode.

### Notes

<sup>1</sup> Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.