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|----------------|--------|
| <b>Grade</b>   | XL505B |
| <b>Product</b> | LDPE   |

#### General Information

**Key Features**

- XL505B resin is produced by ExxonMobil Chemical's autoclave process technology.
- XL505B resin is an excellent raw material in the application of extrusion coating.

**Applications** - General extrusion coating and lamination

| Item   | Measuring Method | Unit   | Value |
|--|------------------|--|-------|
| <b>Physical</b>                                    |                  |  |       |
| Melt Flow Index                                    | ASTM D1238       | g/10min  | 6.0   |
| Density  | ASTM D1505       | g/cm <sup>3</sup>  | 0.916 |
| <b>Thermal</b>                                     |                  |  |       |
| Melting Point                                      | LC Method        | °C   | 105   |
| VICAT Softening Temperature                        | ASTM D1525       | °C   | 87    |
| <b>Processing Properties</b>                       |                  |  |       |
| Neck-in (constant output)<br>- 50 m/min, 315°C     | LC Method        | cm   | 2.9   |
| Neck-in (constant output)<br>- 150 m/min, 315°C    | LC Method        | cm   | -     |
| Minimum coating weight<br>(constant output, 315°C) | LC Method        | g/m <sup>2</sup>   | 16    |
| <b>Film Properties</b>                             |                  |  |       |
| Barrier<br>- MVTR (90% RH, 37.8°C, 25μm)           | ASTM F372        | g/m <sup>2</sup> /24hr   | 18    |
| Barrier<br>- O <sub>2</sub> GTR                    | ASTM F372        | 10 <sup>4</sup> cm <sup>3</sup> (STP)μm/m <sup>2</sup> 24h atm | 22    |

1. Physical Properties : these are not to be construed as specifications

\* The last update date : 2021/10/01