

ASTM Property

Grade	XL505B
Product	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
Physical			
Melt Flow Index	ASTM D1238	g/10min	6.0
Density	ASTM D1505	g/cm ³	0.916
Thermal			
Melting Point	LDP Method	°C	105
VICAT Softening Temperature	ASTM D1525	°C	87
Processing Properties			
Neck-in (constant output) - 50 m/min, 315°C	LDP Method	cm	2.9
Neck-in (constant output) - 150 m/min, 315°C	LDP Method	cm	-
Minimum coating weight (constant output, 315°C)	LDP Method	g/m ²	16
Film Properties			
Barrier - MVTR (90% RH, 37.8°C, 25μm)	ASTM F372	g/m ² /24hr	18
Barrier - O ₂ GTR	ASTM F372	10 ⁴ cm ³ (STP)μm/m ² 24h atm	22

1. Physical Properties : these are not to be construed as specifications
2. ISO 9001, 14001

* The last update date : 2026/06/01