

DATASHEET

ASTM Property



Grade	XL510H
Product	LDPE

General Information

Key Features	- XL510H resin is produced by ExxonMobil Chemical's autoclave process technology. - XL510H resin is a product designed for low Neck-In, Good adhesion to a variety of substance.
--------------	---

Applications	- Extrusion coating and lamination [Aluminium foil, paper and films]
--------------	--

Item	Measuring Method	Unit	Value
Physical			
Melt Flow Index	ASTM D1238	g/10min	5.5
Density	ASTM D1505	g/cm ³	0.918
Thermal			
Melting Point	LC Method	°C	106
VICAT Softening Temperature	ASTM D1525	°C	88
Processing Properties			
Neck-in (constant output) - 150 m/min, 315°C	LC Method	cm	3.0
Maximum coating speed	LC Method	m/min	400
Minimum coating weight (constant output, 315°C)	LC Method	g/m ²	10
Film Properties			
Barrier - MVTR (90% RH, 37.8°C, 25µm)	ASTM F372	g/m ² /24hr	18.5
Barrier - O ₂ GTR	ASTM F372	10 ⁴ cm ³ (STP)µm/m ² 24h atm	20

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

* The last update date : 2021/10/01