(+) 188 1699 6168 hongrunplastics.com

Alathon

L4550

lyondellbasell

High Density Polyethylene MMW Film Grade Melt Index **0.45** Density **0.945** 

**Applications** 

Alathon L4550 is a medium molecular weight high density copolymer with a narrow molecular weight distribution. L4550 inherently has very low gels and is used for monofilament, slit tape and high speed orientation processes. Typical applications include specialty films, packaging of agriculture products, protective netting for the agriculture and building industry, and netting for food applications.

Regulatory Status L4550 meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520. This regulation allows for, among other things, the use of this olefin polymer in "...articles or components of articles intended for use in contact with food." Certain limitations or conditions of use may apply. Contact your Equistar sales representative for more information.

**Processing** Techniques

Specific recommendations for processing L4550 can only be made when the processing conditions, equipment and end use are known. Contact your Equistar sales representative for more information.

Typical Properties

Nominal		ASTM
Value	Units	<b>Test Method</b>
0.45	g/10 min	D1238
1.75	g/10 min	D1238
20.3	g/10 min	D1238
0.945	g/ccD 1505	
2.0 mils		
3,300	psi	D 882
8,600	psi	D 882
750	%	D 882
99,400	psi	E 111
	Value 0.45 1.75 20.3 0.945  2.0 mils 3,300 8,600 750	Value         Units           0.45         g/10 min           1.75         g/10 min           20.3         g/10 min           0.945         g/cc D 1505           2.0 mils         3,300           8,600         psi           750         %

## **Film Extrusion Conditions:**

2.0 mil Blown Film; 2.2:1 Blow-up-ratio, Melt Temperature 390-410°F (199-210°C), 60 mil die gap