Alathon

Typical Properties



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lyondellbasell

High Density Polyethylene HMW Film Grade Melt Index 0.075 Density 0.949

Applications Alathon L4907 is a high molecular weight high density copolymer with broad bimodal molecular weight distribution. This resin exhibits high density and stiffness and is selected by customers for use in grooved feed and smooth bore equipment. Typical applications include merchandise bags, grocery sacks, roll stock and produce bags.

 Regulatory
 L4907 meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520. This

 Status
 regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food..." Specific limitations or conditions of use may apply. Contact your Equistar product safety representative for more information.

Processing Specific recommendations for processing L4907 can only be made when the processing conditions, equipment and end use are known.

Nominal		ASTM
Value	Units	Test Method
0.075	g/10 min	D1238
0.949	g/cc	D1505
260	g	D1709
9 (97)	g	D1922
5,000 (4,100)	psi	D882
11,900 (7,700)	psi	D822
320 (500)	%	D882
138,000 (166,000)	psi	D882
	Value 0.075 0.949 260 9 (97) 5,000 (4,100) 11,900 (7,700) 320 (500)	Value Units 0.075 g/10 min 0.949 g/cc 260 g 9 (97) g 5,000 (4,100) psi 11,900 (7,700) psi 320 (500) %

*Data Obtained Under the Following Extrusion Conditions:

Alpine 200 mm 3 Layer Die (40/35/25); 3 Extruders: 65 mm / 75 mm / 50 mm; Die Gap = 1.5 mm; Film Thickness = 0.5 mil; 500 lbs/ hr; Internal Bubble Cooling; Neck Height = 8 x DD; Blow Up Ratio = 4:1

These are typical values and not to be construed as specifications limits.