

Alathon

M6020

High Density Polyethylene

MMW Film Grade

Melt Index 2.0 Density 0.960



Applications

Alathon M6020 is a medium molecular weight high density homopolymer for use in blown or cast film applications. This resin provides extremely low gel content and high stiffness. Typical applications include dry food packaging, overwrap and WVTR.

Regulatory Status

M6020 meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520. This 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 sales representative for more information.

Processing Techniques

Specific recommendations for processing M6020 can only be made when the processing conditions, equipment and end use are known. For further suggestions, please contact your Equistar sales representative.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	2.0	g/10 min	D 1238
Density	0.960	g/cc	D 1505
Elmendorf Tear Strength, MD (TD)	34 (500)	g	D 1922
Tensile Strength @ Yield, MD (TD)	3,500 (3,700)	psi	D 882
Tensile Strength @ Break, MD (TD)	7,200 (3,200)	psi	D 882
Elongation @ Break, MD (TD)	860 (850)	%	D 882
Secant Modulus, MD (TD)	137,000 (189,000)	psi	E 111

Typical Extrusion Conditions:

2.0 mil Blown Film; 2.5:1 Blow-up-ratio, Melt Temperature 390-410°F (199-210°C), 60 mil die gap
