

Alathon

M6010-2

High Density Polyethylene

MMW Film Grade

Melt Index **1.15** Density **0.958**



Applications

Alathon M6010-2 is a medium molecular weight high density polyethylene homopolymer for use in blown film applications. Typical applications include those with low WVTR requirements.

Regulatory Status

M6010-2 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 M6010-2 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	1.15	g/10 min	D 1238
Density	0.958	g/cc	D 1505
Haze	30	%	D 1003
Elmendorf Tear Strength, MD (TD)	19 (550)	g	D 1922
Tensile Strength @ Yield, MD (TD)	4,500 (5,000)	psi	D 882
Tensile Strength @ Break, MD (TD)	8,300 (4,500)	psi	D 882
Elongation @ Break, MD	650	%	D 882
Secant Modulus, MD (TD)	144,000 (191,000)	psi	E 111

Typical Extrusion Conditions:

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