

Alathon

L5876

High Density Polyethylene
Blow Molding Grade

Melt Index 0.74 Density 0.956+



Applications

Alathon L5876 is selected by customers for use in injection blow molding and extrusion blow molding applications where higher gloss than standard grades is required.

Regulatory Status

L5876 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 product safety representative for more information.

Processing Techniques

Specific recommendations for processing L5876 can only be made when the processing conditions, equipment and end use are known.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.74	g/10 min	D1238
Density	0.956+	g/cm ³	D1505
Tensile Strength @ Yield	4,100	psi	D638
Elongation @ Break	>500	%	D638
Flexural Modulus	195,000	psi	D790
Tensile Impact	160	ft-lb/in.	D1822
Low Temperature Brittleness, F ₅₀	<-76	°C	D746
Heat Deflection Temperature @ 66 psi	76	°C	D648
Vicat Softening Point	129	°C	D1525
Hardness, Shore D	66		D2240

These are typical values not to be construed as specification limits.