

Ultrathene

UE624000

Ethylene Vinyl Acetate Copolymer

Film Extrusion Grade

Equivalent Melt Index: 2.1 Vinyl Acetate Content: 18%



Applications

Ultrathene UE624000 is an EVA copolymer with excellent flexibility and low temperature properties. UE624000 is selected by customers for use in medium to heavy gauge film applications as well as injection and blow molding.

Regulatory Status

UE624000 meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1350. This regulation allows the use of this ethylene vinyl acetate copolymer "...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 further information.

Processing Techniques

The maximum recommended melt temperature for UE624000 is 450°F (232°C). Specific recommendations for processing UE624000 can only be made when the processing conditions, equipment and end use are known.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Equivalent Melt Index ¹	2.1	g/10 min	D1238
Vinyl Acetate Content	18	%	
Tensile Strength @ Break, MD (TD)	5,940 (4,390)	psi	D882
Tensile Strength @ Yield, MD (TD)	679 (624)	psi	D882
Elongation @ Break, MD (TD)	410 (563)	%	D882
Elongation @ Yield, MD (TD)	9 (9)	%	D882
1% Secant Modulus, MD (TD)	7,500 (8,600)	psi	D882
Dart Drop Impact Strength, F ₅₀ ²	606	g	D1709
Low Temperature Brittleness	<-76	°C	D746
Vicat Softening Point	65	°C	D1525
Hardness, Shore A	91		D2240

Products

Slip (ppm)
Antiblock (ppm)

UE624000

None
None

¹ The melt index figures are equivalent values correlated from the Melt Flow Rates obtained with ASTM D1238.

² Film gauge at 1.5 mils.

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

See Page 2 for Additional Information

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LyondellBasell markets this product through the following entities:

Equistar Chemicals, LP
Basell Sales & Marketing Company B.V.
Basell Asia Pacific Limited
Basell International Trading FZE
LyondellBasell Australia Pty Ltd

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Users should review the applicable Material Safety Data Sheet before handling the product.

Equistar Chemicals, LP
1221 McKinney, Suite 700
P. O. Box 2583
Houston, Texas 77252-2583
(888) 777-0232
www.lyondellbasell.com

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