

Ultrathene

UE624000

Ethylene Vinyl Acetate Copolymer
Film Grade

Melt Index 2.1 Vinyl Acetate Content 18%

LyondellBasell

Applications

Ultrathene UE624000 is an EVA copolymer with excellent flexibility and low temperature properties. UE624000 is very suitable for medium to heavy gauge film applications as well as injection and blow molding. UE624000 contains no additives.

Regulatory Status

UE624000 meets the requirements of the Food and Drug Administration regulations 21 CFR 177.1350 and 21 CFR 175.105. These regulations (respectively) allow for the use of this material as articles or components of articles which are "...intended for use in producing, manufacturing, packing, processing, preparing, treating, packaging, transporting or holding food..." and as an adhesive which "...may be safely used as components of articles intended for use in packaging, transporting or holding food." Specific limitations or conditions of use may apply. Please contact your Equistar sales representative for more information regarding the suitability of specific products for specific applications.

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. For further suggestions, please contact your Equistar sales representative.

Typical Properties

Property	Value	Units	ASTM Test Method
Equivalent Melt Index ¹	2.1	g/10 min	D 1238
Vinyl Acetate Content	18	%	
Tensile Strength @ Break, MD (TD)	5,940 (4,390)	psi	D 882
Tensile Strength @ Yield, MD (TD)	679 (624)	psi	D 882
Elongation @ Break, MD (TD)	410 (563)	%	D 882
Elongation @ Yield, MD (TD)	9 (9)	%	D 882
1% Secant Modulus, MD (TD)	7,500 (8,600)	psi	D 882
Dart Drop Impact Strength, F ₅₀ ²	606	g	D 1709
Low Temperature Brittleness	<-76	°C	D 746
Vicat Softening Point	65	°C	D 1525
Hardness, Shore A	91		D 2240

¹ The melt index figures are equivalent values correlated from the Melt Flow Rates obtained with ASTM D 1238.

² Film gauge at 1.5 mils.

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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
(800) 615-8999
www.lyondellbasell.com