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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.

RegulatoryUE624000 meets the requirements of the Food and Drug Administration regulation 21 CFRStatus177.1350. 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
TechniquesThe 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		Nominal		ASTM
Properties	Property	Value	Units	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	<u>UE624000</u>	
Slip (ppm)	None	
Antiblock (ppm)	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