Ultrathene

UE637000

Ethylene Vinyl Acetate Copolymer
Film Extrusion Grade
Equivalent Melt Index: 3.2 Vinyl Acetate Content: 9%

Applications

Ultrathene UE637000 is an EVA copolymer with good toughness, flexibility and clarity. Typical applications include laminating and heavy duty films as well as injection and blow molding.

Regulatory Status

UE637000 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 UE637000 is 450°F (232°C). Specific recommendations for processing UE637000 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]	3.2	g/10 min	D1238
Vinyl Acetate Content	9	%	
Tensile Strength @ Break, MD (TD)	3,750 (2,740)	psi	D882
Tensile Strength @ Yield, MD (TD)	904 (843)	psi	D882
Elongation @ Break, MD (TD)	350 (500)	%	D882
Elongation @ Yield, MD (TD)	9 (11)	%	D882
1% Secant Modulus, MD (TD)	12,300 (13,200)	psi	D882
Dart Drop Impact Strength, F_{50}[2]	404	g	D1709
Low Temperature Brittleness	<-76	°C	D746
Vicat Softening Point	80	°C	D1525
Hardness, Shore A	94		D2240

Products	UE637000
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 2 mils.

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