

Technical Data Sheet

Ultrathene UE637000



Ethylene Vinyl Acetate

Product Description

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.

Application	Caps & Closures; Heavy Duty Packaging
Market	Flexible Packaging; Rigid Packaging
Processing Method	Blown Film; Cast Film; Extrusion Blow Molding; Sheet and Profile Extrusion

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Equivalent Melt Index	3.2	g/10 min	3.2	g/10 min	ASTM D1238
Vinyl Acetate Content	9	%	9	%	LYB Method
Film					
Dart Drop Impact Strength, F50 Film gauge at 2 mils.	400	g	400	g	ASTM D1709
Tensile Strength at Break					
MD	3800	psi	26.2	MPa	ASTM D882
TD	2700	psi	18.6	MPa	ASTM D882
Tensile Strength at Yield					
MD	900	psi	6.2	MPa	ASTM D882
TD	840	psi	5.8	MPa	ASTM D882
Tensile Elongation at Break					
MD	350	%	350	%	ASTM D882
TD	500	%	500	%	ASTM D882
Tensile Elongation at Yield					
MD	9	%	9	%	ASTM D882
TD	11	%	11	%	ASTM D882
1% Secant Modulus					
MD	12300	psi	84.8	MPa	ASTM D882
TD	13200	psi	91.0	MPa	ASTM D882
Hardness					
Shore Hardness, (Shore A)	94		94		ASTM D2240
Thermal					
Vicat Softening Temperature	176	°F	80	°C	ASTM D1525
Low Temperature Brittleness	<-105	°F	<-76	°C	ASTM D746
Additive					
Slip	None		None		LYB Method
Antiblock	None		None		LYB Method