

Technical Data Sheet



Ultrathene UE650028

Ethylene Vinyl Acetate

Product Description

Ultrathene UE650028 is an EVA copolymer with excellent flexibility and low temperature properties.

Regulatory Status

For regulatory compliance information, see [Ultrathene UE650028 Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Application	Foamed Sheet; Soft Profile & Sheets
Market	Flexible Packaging; Rigid Packaging
Processing Method	Blown Film; Cast Film; Sheet and Profile Extrusion

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Equivalent Melt Index	3.0	g/10 min	3.0	g/10 min	ASTM D1238
Density, (23 °C)	0.931	g/cm³	0.931	g/cm³	ASTM D1505
Vinyl Acetate Content	12	%	12	%	LYB Method
Mechanical					
Tensile Modulus, (1% Secant)	18500	psi	127	MPa	ASTM D638
Tensile Strength at Break	2100	psi	14.5	MPa	ASTM D638
Tensile Elongation at Break	1100	%	1100	%	ASTM D638
Hardness					
Shore Hardness, (Shore D)	44		44		ASTM D2240
Thermal					
Vicat Softening Temperature	156	°F	69	°C	ASTM D1525
Low Temperature Brittleness	<-105	°F	<-76	°C	ASTM D746
DSC Melting Point	199	°F	93	°C	LYB Method



Notes

The equivalent melt index figure is correlated from Melt Flow Rates obtained with ASTM D1238.

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

Processing Techniques

The maximum recommended melt temperature for *Ultrathene* UE650028 is 430 °F (221 °C).

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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