

Ultrathene® UE685009

Ethylene Vinyl Acetate Copolymer

LyondellBasell Industries

Message:

ULTRATHENE UE 685-009 is an EVA copolymer with excellent processability and good adhesion to many substrates. Applications include extrusion coating on various substrates for flexible packaging and laminations. UE 685-009 contains no slip or antiblock.

General Information			
Features	Copolymer		
	Workability, good		
	Good adhesion		
	Compliance of Food Exposure		
Uses	Packaging		
	Laminate		
	Coating application		
Agency Ratings	FDA 21 CFR 175.105		
	FDA 21 CFR 177.1350		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	26	g/10 min	ASTM D1238
Vinyl Acetate Content	15.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	35		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	9.51	MPa	ASTM D638
Tensile Elongation ² (Break)	730	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.0	°C	ASTM D746
Vicat Softening Temperature	56.0	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	232	°C	
Extrusion instructions			
Maximum recommended melt temperature: 450°F (232°C).			
NOTE			
1.	Type 4, 510mm/min		
2.	Type 4, 510mm/min		

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