

# AMPLIFY™ AA 698

Functional Polymer

The Dow Chemical Company

## Message:

AMPLIFY™ AA 698 is a medium acid copolymer offering enhanced adhesion vs. LDPE, and thus potential for reduced processing temperatures or processing without substrate or melt pre-treatments.

Main Characteristics:

- Good adhesion to metallic, paper and PE Substrates
- Good heat sealability and hot-tack
- Excellent draw-down
- Low neck-in

Complies with the requirements for use in contact with food of the EU-Directive 2002/72/EC. Contact a Dow Sales office to obtain a detailed food contact compliance letter for this product.

Complies with U.S. FDA 21 CFR 177.1310(b). Consult the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 177.1310 (b) European 2002/72/EC		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.927	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) <sup>1</sup> (190°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Comonomer Content <sup>2</sup>	3.0	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, molding	13.5	MPa	ASTM D638
Fracture, molding	8.10	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	490	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ASTM D1525
Melting Temperature (DSC)	105	°C	Internal method
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	260 - 310	°C	
Shrinkage-25 g/m <sup>2</sup> at 100 m/min (290°C)	155.0	mm	Internal method
Drop-down-Acceleration from 15 g/m <sup>2</sup> at 100 m/min	150	m/min	Internal method
NOTE			
1.	As measured during production.		
2.	Comonomer content measured by direct titration procedure.		

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