

# AMPLIFY™ TY 1355

Functional Polymer

The Dow Chemical Company

## Message:

AMPLIFY™ TY 1355 Functional Polymer is a maleic anhydride (MAH) grafted LDPE polymer. AMPLIFY TY 1355 Functional Polymer promotes adhesion of Polyethylene to barrier polymers such as polyamide, EVOH and other polar substrates.

Main Characteristics:

Excellent adhesion to polyamide and EVOH

High melt strengthFully formulated (does not have to be diluted with other polymers) for Extrusion Coating and Extrusion Lamination applications

Complies with:

US FDA 21 CFR 175.105 (c)(5)

Consult the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 175.105(c) (5)		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238, ISO 1133
MAH Graft Level <sup>1</sup>	Low		Internal Method
Melt Flow Ratio - I10/12	10.0		ASTM D1238
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	92.8	°C	ASTM D1525
Melting Temperature (DSC)	126	°C	Internal Method
Peak Crystallization Temperature (DSC)	111	°C	Internal Method
NOTE			
1.	Low: 0.5 wt%		

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