



AMPLIFY™ TY 1057H

The Dow Chemical Company - Functional Polymer

Sunday, November 3, 2019

General Information

Product Description

AMPLIFY™ TY 1057H is a part of the AMPLIFY Functional Polymer portfolio. AMPLIFY™ TY 1057H is a maleic anhydride grafted (MAH) polymer designed as a graft concentrate and is intended to be in-line blended with non-grafted polymer. The level of AMPLIFY™ TY 1057H relative to the non-grafted polymer is dependent upon the targeted adhesion level. The higher the loading of AMPLIFY™ TY 1057H the relatively higher level of adhesion to either EVOH or polyamide.

Main Characteristics:

- Rapid dispersing capability
- Excellent adhesion to polyamide and EVOH
- Excellent physical properties
- Wide range of process and service temperature
- For blown and cast film

Complies with:

- (EU) No 10/2011
- US FDA 21 CFR 175.105 (c)(5)

Consult the regulations for complete details.

General

Material Status	• Commercial: Active		
Availability	• Europe	• Latin America	• North America
Additive	• Antiblock: No	• Processing Aid: No	• Slip: No
Agency Ratings	• EU 10/2011	• FDA 21 CFR 175.105(c) (5)	
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.912	g/cm ³	ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
MAH Graft Level ²	High		Internal Method

Notes

¹ Typical properties: these are not to be construed as specifications.

² Low: <0.25 wt%, Medium 0.25-0.5, High >0.5 wt%