

AMPLIFY™ TY 1250H

Functional Polymer

The Dow Chemical Company

Message:

AMPLIFY™ TY Functional polymers are maleic anhydride grafted (MAH) polyolefins which are designed for the tie layer market segment. AMPLIFY TY 1250H is a high melt strength polymer with a high grafting level and is ideal for use in a blend where high melt strength, high adhesion to polar substrates, and toughness are desired properties. This grade is further designed to perform in the harsh extrusion conditions used in producing an extruded multi-layer construction.

Main Characteristics:

Strong adhesion to many polar substrates

Excellent physical properties

High melt strength

Wide range of process and service temperature

Low gels to ensure minimal defects

Complies with:

U.S. FDA 21 CFR 177.1520(c)6

Consult the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 6		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
MAH Graft Level ¹	High		Internal method
Yellowness Index - (Pellets)	2.30		ASTM D2457
Extrusion	Nominal Value	Unit	
Melt Temperature	182 - 232	°C	
Extrusion instructions			
Fabrication Conditions for Multi-layer Pipe Applications are not defined at this time.			
NOTE			

1.
- Maleic Anhydride level is defined as Low: 0.5 wt% MAH

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