

AMPLIFY™ TY 1056H

Functional Polymer

The Dow Chemical Company

Message:

AMPLIFY™ TY 1056H Functional Polymer is a maleic anhydride grafted (MAH) polymer concentrate designed as a blend component for unmodified polyethylene. AMPLIFY TY 1056H Functional Polymer promotes adhesion of polyethylene to polyamide and ethylene vinyl alcohol (EVOH). The functionality of this polymer also promotes adhesion between metal, polyolefins, cellulose, polyester, polycarbonate, glass, and foil.

Main Characteristics:

Maleic anhydride modified HDPE

Adhesive concentrate for use in blown or cast film and coating applications

Complies with:

Europe Commission Regulation (EU) No 10/2011

U.S. FDA 21 CFR 175.105 (c) (5)

Consult the regulations for complete details.

General Information			
Agency Ratings		FDA 21 CFR 175.105(c) (5)	
		Europe 10/1/2011 12:00:00 AM	
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	12	g/10 min	ASTM D1238, ISO 1133
MAH Graft Level ¹	Very high		Internal method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240, ISO 868
Shaw A	97		ASTM D2240, ISO 868
Shaw D	64		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Fracture ²	16.0	MPa	ASTM D638
Fracture	16.0	MPa	ISO 527-2/51
Tensile Elongation			
Fracture ³	100	%	ASTM D638
Fracture	100	%	ISO 527-2/51
Flexural Modulus - 2% Secant	786	MPa	ASTM D790A, ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	121	°C	ASTM D1525, ISO 306
Melting Temperature (DSC)	127	°C	Internal method
Additional Information			
根据 ASTM D4976 进行模塑.			
NOTE			

1.	Low: 0.5 wt%, very high> 1.0 wt%
2.	51 mm/min
3.	51 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material


Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT