

AMPLIFY™ TY 3352

Functional Polymer
The Dow Chemical Company

Message:

AMPLIFY™ TY 3352 Functional Polymer is a maleic anhydride grafted (MAH) polymer. In tie layers for flexible packaging, AMPLIFY TY 3352 Functional Polymer promotes adhesion of Polyethylene to polystyrene (HIPS) and barrier polymers such as polyamide and ethylene vinyl alcohol (EVOH) and other polar substrates. AMPLIFY TY 3352 does not use or contain tris nonyl phenol phosphite (TNPP) antioxidant.

Main Characteristics:

Excellent adhesion to polyamide, EVOH and polystyrene

For blown and cast film and sheet

Complies with:

U.S. FDA 21CFR175.105

Consult the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 175.105		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
MAH Graft Level ¹	Low		Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	12.0	MPa	
Break	9.03	MPa	
Tensile Elongation (Break)	480	%	ASTM D638
Flexural Modulus	276	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	88.9	°C	ASTM D1525
Melting Temperature (DSC)	126	°C	Internal Method
NOTE			

1. Low: 0.5 wt%

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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



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