

## AMPLIFY<sup>™</sup> TY 3352 **Functional Polymer**

**Overview** 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.

Additive	Antiblock: No	Slip: No		Processing Aid: No		
Physical		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density		0.940	g/cm³	0.940	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)		5.0	g/10 min	5.0	g/10 min	ASTM D1238
MAH Graft Level		Low		Low		Dow Method <sup>1</sup>
Mechanical		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Tensile Streng	th					ASTM D638
Yield		1740	psi	12.0	MPa	
Break		1310	psi	9.03	MPa	
Tensile Elonga	ation (Break)	480	%	480	%	ASTM D638
Flexural Modu	Ilus	40000	psi	276	MPa	ASTM D790
Thermal		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Vicat Softening Temperature		192	°F	88.9	°C	ASTM D1525
Melting Temperature (DSC)		259	°F	126	°C	Dow Method

## Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

<sup>1</sup> Low: <0.25 wt%, Medium 0.25-0.5, High >0.5 wt%

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