



# AMPLIFY™ TY 1355 Functional Polymer

## Overview

AMPLIFY™ TY 1355 Functional Polymer is a maleic anhydride (MAH) grafted LDPE polymer. AMPLIFY TY 1355 Functional Polymer promotes adhesion of Polyethylene to barrier polymers such as polyamide, EVOH and other polar substrates.

### Main Characteristics:

- Excellent adhesion to polyamide and EVOH
- High melt strength Fully formulated (does not have to be diluted with other polymers) for Extrusion Coating and Extrusion Lamination applications

### Complies with:

- US FDA 21 CFR 175.105 (c)(5)

Consult the regulations for complete details.

## Additive

- Antiblock: No
- Slip: No
- Processing Aid: No

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.925 g/cm <sup>3</sup>	0.925 g/cm <sup>3</sup>	ASTM D792
Melt Index (190°C/2.16 kg)	6.0 g/10 min	6.0 g/10 min	ASTM D1238 ISO 1133
MAH Graft Level <sup>1</sup>	Low	Low	Dow Method
Melt Flow Ratio - I10/12	10.0	10.0	ASTM D1238
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	199 °F	92.8 °C	ASTM D1525
Melting Temperature (DSC)	258 °F	126 °C	Dow Method
Peak Crystallization Temperature (DSC)	232 °F	111 °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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