



AMPLIFY™ GR 380 Functional Polymer

Overview

AMPLIFY GR 380 Functional Polymer is a grafted polyethylene. It is designed as an adhesive combining excellent processing characteristics with superior adhesion properties, required for multilayer pipes.

Main Characteristics:

- Good performance in multilayer pipes due to excellent adhesion to EVOH and polyethylene layers.
- Easy processing.
- Good temperature resistance.
- Low water absorption.
- When properly fabricated, AMPLIFY GR 380 Functional Polymer is expected to meet the organoleptic requirements for drinking water applications.

Processing Recommendations:

- AMPLIFY GR 380 can be readily extruded using conventional techniques with melt temperatures between 180 and 230 °C.

Additive

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.923 g/cm ³	0.923 g/cm ³	ISO 1183
Melt Index (190°C/2.16 kg)	3.0 g/10 min	3.0 g/10 min	ISO 1133
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature	252 °F	122 °C	ISO 11357-3
Extrusion	Nominal Value (English)	Nominal Value (SI)	
Melt Temperature	356 to 446 °F	180 to 230 °C	

Notes

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

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Published: 2007-05-24

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