

# AMPLIFY™ GR 380

Functional Polymer  
The Dow Chemical Company

Message:

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.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ISO 1133
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	122	°C	ISO 11357-3
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 230	°C	

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