

AMPLIFY € EA 101

Functional Polymer

€ • , f

€ • , f

AMPLIFY € EA 101 Functional Polymer is produced via a high-pressure reactor. This ethylene-ethyl acrylate (EEA) copolymer exhibits high flexibility and imparts low temperature toughness to a wide range of engineering resins. This polymer demonstrates excellent blend compatibility with other polyolefins. It can be utilized as a tie layer between polyolefins and a variety of polar substrates, such as metal, polyvinylidene chloride (PVDC), polyolefins, cellulose, polyester, polycarbonate, glass, foil, PVC, PET, and Polystyrene.

High performance packaging applications

Polymer modification

Tie layer to PVDC and Polyolefins

Superior additive concentrate carrier

Low gels with excellent thermal stability

Complies with:

U.S. FDA 21 CFR 175.105

U.S. FDA 21 CFR 177.1320 (with Restrictions)

EU, No 10/2011

Consult the regulations for complete details.

" ... † ‡			
~ %Š <	FDA 21 CFR 175.105	FDA 21 CFR 177.1320	€• No 10/2011
Ž •	• ' .		
' " " •	— , —	™Š > œ	
• Ž Ÿ	¡ ¢ £	¤ ¥ ¦	§ ¨ ¨ •
©ª	0.931		g/cm³ ASTM D792, ISO 1183
« ¬ - (« ® ¯ ° -) (190, C/2.16 kg)	6.0		g/10 min ASTM D1238, ISO 1133
± ² ³ ´ µ ¶ · ¸ ¹	18.5		% ASTM D3594
µ ¶	¡ ¢ £	¤ ¥ ¦	§ ¨ ¨ •
• • µ ¶			ASTM D2240, ISO 868
• • A	86		ASTM D2240, ISO 868
• • D	31		ASTM D2240, ISO 868
ˆ 1 Ÿ	¡ ¢ £	¤ ¥ ¦	§ ¨ ¨ •
° » ¼ ¶			ASTM D638, ISO 527-2
½¾	2.96		MPa ASTM D638, ISO 527-2
¿À	13.4		MPa ASTM D638, ISO 527-2
ÁÂ -			ASTM D638, ISO 527-2
½¾	10		% ASTM D638, ISO 527-2
¿À	750		% ASTM D638, ISO 527-2
ÃÄÅ - 2% ÆÇ	55.2		MPa ASTM D790B, ISO 178
ÈÉŸ	¡ ¢ £	¤ ¥ ¦	§ ¨ ¨ •
É Â Ê Ë ¼ ¶ ²	672		kJ/mf ASTM D1822
Ë Ÿ	¡ ¢ £	¤ ¥ ¦	§ ¨ ¨ •
Ï Í Î Ë Ì Ž Ð ¶ (0.45 MPa, ÑÒÓ)	31.1		,C ASTM D648
ÔÕÐ¶	< -76.1		,C ASTM D746
Ö× ØÕÐ¶	57.2		,C ASTM D1525, ISO 306
ÙÚÐ¶ (DSC)	97.8		,C ÜÜ" •
ÝÞßÐ¶ (DSC)	82.8		,C ÜÜ" •
à á † ‡			
ã ä ASTM D 4976 ä å Ä, æ§ ¨ .			
ç è			
1.	é ê ë ì í 15 - 20% EA; î ï Ñ Ò Ñ Ò; ð ñ ò ó ô ¶ í 15 ö ÷ ;ø ù Ð ¶ í 160, C		
2.	ú û S		