

AFFINITY™ EG 8100G

The Dow Chemical Company - Polyolefin Plastomer

Monday, November 4, 2019

General Information

Product Description

- · General purpose plastomer
- · Excellent impact properties in blends with polypropylene and polyethylene
- · Highly flexible with good elastic recovery
- · High clarity
- Breathable (high O2 and CO2 transmission rates)
- · Low temperature sealability
- Complies with U.S. FDA FCN 424 (See NOTES 1)
- Consult the regulations for complete details. (See NOTES 2)

AFFINITY* EG 8100G Polyolefin Plastomer (POP) is produced via INSITE* Technology. It is a general purpose ethylene-octene copolymer exhibiting high flexibility and elasticity. AFFINITY EG 8100G can be utilized in monolayer and coextruded films and in blends with other polyolefins to enhance clarity, sealability and toughness of the structure.

Complies with:

CANADIAN HPFB NO OBJECTION (WITH LIMITATIONS)

- EU No 10/2011
- U.S. FDA FCN 424

Consult the regulations for complete details.

General		
Material Status	Commercial: Active	
Availability	Asia Pacific	Latin America
	 Europe 	North America
Additive	Processing Aid: No	Slip: No
Agency Ratings	DMF Unspecified RatingEU No 10/2011	 FDA 21 CFR 176.170(c), Table 2 ¹ FDA FCN 424 FDA FCN 424
Forms	• Pellets	
Processing Method	Blown Film	

ASTM & ISO Properties ²				
Physical	Nominal Value Un	nit	Test Method	
Density / Specific Gravity	0.872		ASTM D792	
Melt Mass-Flow Rate (190°C/2.16 kg)	1.0 g/1	10 min	ASTM D1238	
Thermal	Nominal Value Un	nit	Test Method	
Vicat Softening Temperature	115 °F		ASTM D1525	
Melting Temperature (DSC)	131 °F	•	Internal Method	

Notes



responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.

¹ Conditions of Use A through H

² Typical properties: these are not to be construed as specifications.