



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 Rating	• FDA 21 CFR 176.170(c), Table 2 ¹	• JHOSPA Unspecified Rating
	• EU No 10/2011	• FDA FCN 424	
Forms	• Pellets		
Processing Method	• Blown Film		

ASTM & ISO Properties²

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

Notes

¹ Conditions of Use A through H

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