

AFFINITY™ EG 8100G

Polyolefin Plastomer
The Dow Chemical Company

Message:

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 Information			
Agency Ratings	DMF Unspecified Rating		
	EU No 10/2011		
	FDA 21 CFR 176.170(c), Table 2.2		
	FDA FCN 424		
	JHOSPA Unspecified Rating		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.870	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	46.0	°C	ASTM D1525
Melting Temperature (DSC)	55.0	°C	Internal Method

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