

## Eastman E6838-850P Polyethylene (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

### Material Notes:

E6838-850P is a low density resin designed for applications where high coating speeds and good drawdown are required. The combination of high melt index and low density also provides good heat seals at high packaging or sealing rates. It also demonstrates a good adhesion to paper, provides a good moisture barrier and is heat-sealable at low temperatures. List of Applications: Coatings for paper/paperboard Food-contact applications Information supplied by the manufacturer. Information from manufacturer data sheet. Eastman Chemical Company sold its polyethylene business to Westlake Chemical Corporation in Dec. 2006. This grade no longer appears in the Westlake product line.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eastman-E6838-850P-Polyethylene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Eastman-E6838-850P-Polyethylene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.915 g/cc	0.0331 lb/in <sup>3</sup>	ASTM D4883
Melt Flow	12.5 g/10 min @Load 2.16 kg, Temperature 190 °C	12.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	9.70 MPa	1410 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Tensile Strength, Yield	9.70 MPa	1410 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Elongation at Break	400 %	400 %	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Flexural Modulus	0.172 GPa	24.9 ksi	2% Secant, 12.7 mm/min. (0.5 in./min.); ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	86.0 °C	187 °F	ASTM D1525
Brittleness Temperature	-60.0 °C	-76.0 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Coating	

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