

**Eastman D4042-P Polyethylene (discontinued \*\*)**

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

**Material Notes:**

D4042-P is a low density resin designed for applications such as sugar pouches and freezer wrap, 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.

List of Applications: Food packaging, Freezer wrap, Frozen food packaging, Sugar pouches.

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-D4042-P-Polyethylene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Eastman-D4042-P-Polyethylene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in <sup>3</sup>	ASTM D4883
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 190 °C	10 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	11.0 MPa	1600 psi	500 mm/min (20 in./min.); Type IV Specimen; ASTM D638
Tensile Strength, Yield	9.00 MPa	1310 psi	500 mm/min (20 in./min.); Type IV Specimen; ASTM D638
Elongation at Break	300 %	300 %	500 mm/min (20 in./min.); Type IV Specimen; ASTM D638
Flexural Modulus	0.207 GPa	30.0 ksi	2% Secant, 12.7 mm/min. (0.5 in./min.); ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	87.0 °C	189 °F	ASTM D1525
Brittleness Temperature	-35.0 °C	-31.0 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Coating	

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