

Eastman D4027-P Voridian Polyethylene (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

VORIDIAN low density polyethylene D4027-P is a formulation suggested for extrusion coating applications that require clarity, high gloss and superior hot tack properties. Applications/Uses Food Packaging 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-D4027-P-Voridian-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ASTM D4883
Melt Flow	1.7 g/10 min @Load 2.16 kg, Temperature 190 °C	1.7 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	12.0 MPa	1740 psi	500 mm/min; ASTM D638
Tensile Strength, Yield	10.0 MPa	1450 psi	500 mm/min; ASTM D638
Elongation at Break	500 %	500 %	500 mm/min; ASTM D638
Flexural Modulus	0.234 GPa	33.9 ksi	2% Secant, 12.7 mm/min; ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	95.0 °C	203 °F	ASTM D1525
Brittleness Temperature	<= -73.0 °C	<= -99.4 °F	ASTM D746

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