

Westlake LDPE EC1390AA

Low Density Polyethylene
Westlake Chemical Corporation

Message:

WESTLAKE low-density polyethylene EC1390 is used primarily in extrusion-coating applications that require fast line speeds and relatively low coating weights. When compared with other low-density polyethylene coating materials that have considerably lower melt indexes, EC1390 has slightly better adhesion to paper substrates and can be heat-sealed at a slightly lower temperature. However, high melt index coating materials produce slightly more neck-in and a narrower heat-sealing temperature.

EC1390 - 1390P

General Information	
Features	Good Adhesion Kosher Approved
Uses	Coating Applications
Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Coating Extrusion Coating

Physical	Nominal Value	Unit	Test Method
Density	0.915	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 23°C)	9.00	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C)	300	%	ASTM D638
Flexural Modulus - 2% Secant ³ (23°C)	193	MPa	ASTM D790
Injection	Nominal Value	Unit	
Processing (Melt) Temp	302 to 329	°C	

NOTE	
1.	Type IV, 500 mm/min
2.	Type IV, 500 mm/min
3.	13 mm/min

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