

Eastman 5290 LDPE High Clarity, Ultra-High Impact Film Resin, 12% EVA Copolymer (discontinued **)

Category : Polymer , Film , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Film Grade

Material Notes:

Resin Type: VA Copolymer; Blown Film Resin Characteristics: Excellent heat seal characteristics, Good optical properties, Excellent low temperature/high impact properties, Low coefficient of friction, Good processability and bubble stability at high drawdown speeds Applications: Coextrusions, Frozen Food Packaging, Liquid and Heavy Duty Packaging Processing Conditions: Extruder 6.35 cm. Screw L/D Ratio 24:1. Die Opening 0.0762 cm. Blow-Up Ratio 2:1. Film properties below based on film thickness of 31.8 µm. 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-5290-LDPE-High-Clarity-Ultra-High-Impact-Film-Resin-12-EVA-Copolymer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in ³	ASTM D1505
Melt Flow	0.50 g/10 min @Load 2.16 kg, Temperature 190 °C	0.50 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Secant Modulus, MD	0.0760 GPa	11.0 ksi	ASTM D882
Secant Modulus, TD	0.0800 GPa	11.6 ksi	ASTM D882
Coefficient of Friction	0.20	0.20	ASTM D1894
Dart Drop	11.0 g/micron	279 g/mil	F ₅₀ ; 1.5 in. dart/26 in. drop height; ASTM D 1709

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ASTM D2457
Gloss	63 %	63 %	at 45°. ASTM D 2457
	100 %	100 %	at 60°. ASTM D 2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Processing Properties	Metric	English	Comments
Melt Temperature	204 °C	399 °F	

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