

## Eastman 5251 LDPE 4% VA Copolymer, High Clarity, High Impact Film Resin for Laminations (discontinued \*\*)

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

### Material Notes:

Resin Type: VA Copolymer  
Characteristics: Excellent adhesion, Excellent processability and bubble stability, High slip and antiblock, Good impact strength  
Applications: Laminations, Heavy produce and skin packaging, Frozen food 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-5251-LDPE-4-VA-Copolymer-High-Clarity-High-Impact-Film-Resin-for-Laminations-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Eastman-5251-LDPE-4-VA-Copolymer-High-Clarity-High-Impact-Film-Resin-for-Laminations-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.929 g/cc	0.0336 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	1.3 g/10 min	1.3 g/10 min	Condition E; ASTM D 1238

Mechanical Properties	Metric	English	Comments
Secant Modulus, MD	0.150 GPa	21.8 ksi	ASTM D882
Secant Modulus, TD	0.200 GPa	29.0 ksi	ASTM D882
Coefficient of Friction	0.10	0.10	ASTM D1894
Dart Drop	3.90 g/micron	99.1 g/mil	F <sub>50</sub> ; 1.5 in. dart/26 in. drop height; ASTM D 1709

Optical Properties	Metric	English	Comments
Haze	5.5 %	5.5 %	ASTM D2457
Gloss	69 %	69 %	at 45°. ASTM D 2457
	110 %	110 %	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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