

## Eastman 5223 LDPE 6% VA Copolymer, High Clarity, Ultra-High Impact Film Resin (discontinued \*\*)

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

### Material Notes:

Resin Type: VA Copolymer Characteristics: Excellent impact strength, Good heat seal characteristics, High antiblock, No Slip, Good processability. Slip 0 ppm. Antiblock 5000 ppm. Applications: Ice bags and frozen food packaging, Liquid and heavy duty packaging, Laminations 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-5223-LDPE-6-VA-Copolymer-High-Clarity-Ultra-High-Impact-Film-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Eastman-5223-LDPE-6-VA-Copolymer-High-Clarity-Ultra-High-Impact-Film-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.939 g/cc	0.0339 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	1.0 g/10 min	1.0 g/10 min	Condition E; ASTM D 1238

Mechanical Properties	Metric	English	Comments
Secant Modulus, MD	0.120 GPa	17.4 ksi	ASTM D882
Secant Modulus, TD	0.140 GPa	20.3 ksi	ASTM D882
Coefficient of Friction	1.0	1.0	ASTM D1894
Dart Drop	5.20 g/micron	132 g/mil	F <sub>&gt;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	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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