

Eastman 5272 LDPE 4% VA Copolymer, High Clarity, 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: Good impact strength, Good bubble stability, Low coefficient of friction, Medium antiblock, Medium slip, Good low temperature properties, Good heat seal characteristics
 Applications: Heavy produce and 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-5272-LDPE-4-VA-Copolymer-High-Clarity-High-Impact-Film-Resin-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Density	0.928 g/cc	0.0335 lb/in ³	ASTM D1505
Melt Flow	1.2 g/10 min	1.2 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	0.170 GPa	24.7 ksi	ASTM D882
Coefficient of Friction	0.10	0.10	ASTM D1894
Dart Drop	3.90 g/micron	99.1 g/mil	F ₅₀ ; 1.5 in. dart/26 in. drop height; ASTM D 1709

Optical Properties	Metric	English	Comments
Haze	4.5 %	4.5 %	ASTM D2457
Gloss	75 %	75 %	at 45°. ASTM D 2457
	120 %	120 %	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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