

Noltex Soarnol® DC3203F Ethylene Vinyl Alcohol Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Alcohol (EVOH)

Material Notes:

Low ethylene content. Suitable for use in packaging material used at normal temperature and humidity. Ethylene content 32 mol%. Volatile matter 0.3%. Information provided by Soarus, LLC. In the United States SOARNOL is produced by Noltex, L.L.C., an affiliate of Nippon Gohsei.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Noltex-Soarnol-DC3203F-Ethylene-Vinyl-Alcohol-Copolymer.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	
Moisture Vapor Transmission	1.14 cc-mm/m ² -24hr-atm	2.90 cc-mil/100 in ² -24hr-atm	based on 30 µm layer
Oxygen Transmission	0.0100 cc-mm/m ² -24hr-atm	0.0254 cc-mil/100 in ² -24hr-atm	20°C- 65% RH; based on 20 µm layer
Viscosity	1.40e+7 cP @Shear Rate 120 1/s, Temperature 230 °C	1.40e+7 cP @Shear Rate 120 1/s, Temperature 446 °F	
Melt Flow	3.2 g/10 min @Load 2.16 kg, Temperature 210 °C	3.2 g/10 min @Load 4.76 lb, Temperature 410 °F	

Thermal Properties	Metric	English	Comments
Melting Point	183 °C	361 °F	DSC, both heating and cooling speeds of 10°C/min
Crystallization Temperature	158 °C	316 °F	DSC, both heating and cooling speeds of 10°C/min
Glass Transition Temp, Tg	63.0 °C	145 °F	DSC, both heating and cooling speeds of 10°C/min

Optical Properties	Metric	English	Comments
Refractive Index	1.524	1.524	Quenched
	1.533	1.533	Annealed at 140°C, 30 min
Haze	0.50 %	0.50 %	

Processing Properties	Metric	English	Comments
Nozzle Temperature	200 - 220 °C	392 - 428 °F	

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