

Noltex Soarnol® BG3522 Ethylene Vinyl Alcohol Copolymer

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

Material Notes:

Special designed high MFI grade. New EVOH for extrusion coating. Ethylene content 35 mol%. Volatile matter 0.3%. The gas barrier property of Soarnol is about forty times better than that of nylon, therefore, Soarnol allows design of lower cost packages by using a thin gas barrier layer without loss of shelf life. Soarnol BG3522 has gas barrier and high flow property. This grade is suited for extrusion coating.

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-BG3522-Ethylene-Vinyl-Alcohol-Copolymer.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	
Moisture Vapor Transmission	1.00 cc-mm/m ² -24hr-atm	2.54 cc-mil/100 in ² -24hr-atm	Cup Method,40°C- 90% RH; based on 30 µm layer
Oxygen Transmission	0.0260 cc-mm/m ² -24hr-atm	0.0660 cc-mil/100 in ² -24hr-atm	20°C- 65% RH; based on 20 µm layer
Viscosity	300000 cP @Shear Rate 190 1/s, Temperature 230 °C	300000 cP @Shear Rate 190 1/s, Temperature 446 °F	
Melt Flow	22 g/10 min @Load 2.16 kg, Temperature 210 °C	22 g/10 min @Load 4.76 lb, Temperature 410 °F	

Thermal Properties	Metric	English	Comments
Melting Point	175 °C	347 °F	DSC, both heating and cooling speeds of 10°C/min
Crystallization Temperature	160 °C	320 °F	DSC, both heating and cooling speeds of 10°C/min
Glass Transition Temp, Tg	57.0 °C	135 °F	DSC, both heating and cooling speeds of 10°C/min

Optical Properties	Metric	English	Comments
Refractive Index	1.522	1.522	Quenched
	1.529	1.529	Annealed at 140°C, 30 min

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