

Soarnol[®] BG3522B

ETHYLENE VINYL ALCOHOL COPOLYMER

35 mol% Ethylene Content

Applications

Soarnol BG3522B is a 35 mol% ethylene content standard grade of Soarnol with a high melt flow rate. Soarnol BG3522B is specifically designed for coextrusion coating applications.

General Properties

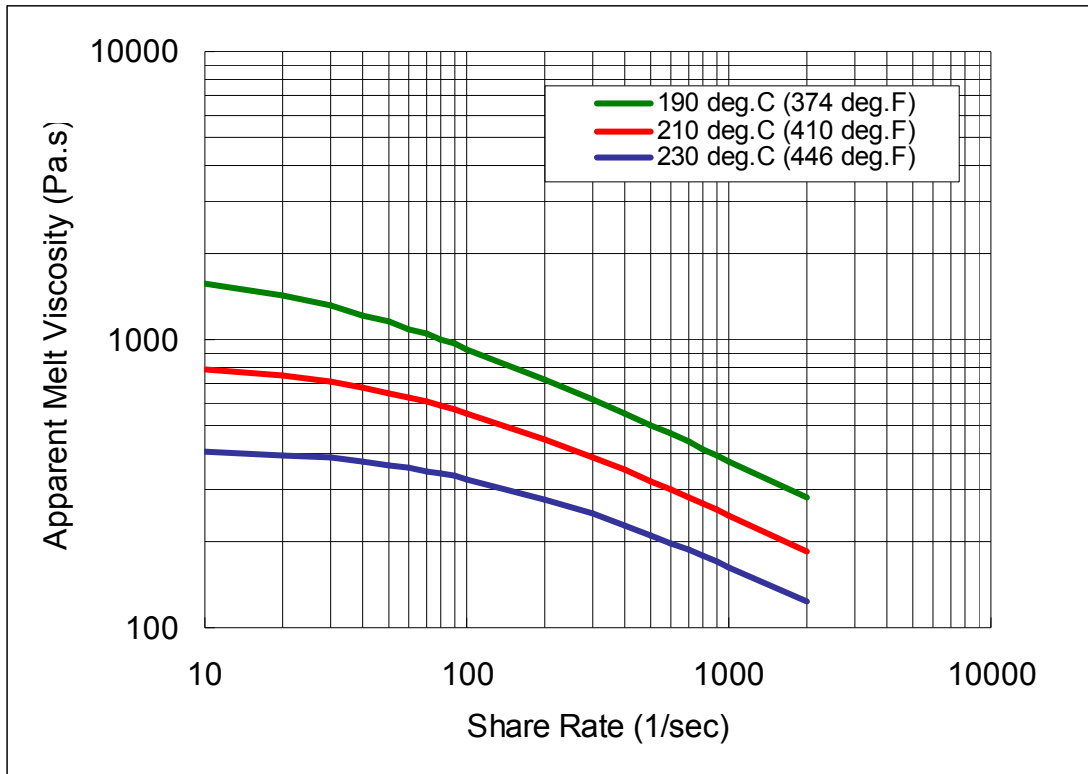
<i>Properties</i>	<i>Unit</i>	<i>Value</i>
Ethylene Content	mol%	35
MFR ¹⁾ (210 degree C, 2160g)	g/10min	22
Volatile Matter	%	< 0.3
Melting Point ²⁾	degree C	178
Crystallization Temperature ²⁾	degree C	156
Glass Transition Temperature ²⁾	degree C	59
Oxygen Permeability (20C, 65%RH) ³⁾	cc 20um / m ² day atm	0.6
	cc mil / 100inch ² day atm	0.030

1): Measured with Melt Indexer

2): Measured with DSC, both heating and cooling speeds of 10 C/min

3): Measured with OXTRAN 10/50 (MOCON)

Melt Viscosity



Example of Processing

- Extruder: 40 mm ϕ Single screw extruder, L/D = 28
- Screw: Full-flighted, constant pitch type, CR = 3.5
- Screen pack: 80/120/50 mesh
- Die: Manifold type, die width = 450 mm, lip clearance = 0.2 mm

Processing Temperature

	B ₁	B ₂	B ₃	B ₄	B ₅	A
deg.C	180	200	220	230	230	230
deg.F	356	392	428	446	446	446

Quality and Safety for Application of Soarnol BG3522B

High quality Soarnol is produced by NOLTEX L.L.C. in U.S.A. and Mizushima plant in Japan. Both plants are certified to meet the requirement of ISO 9001.

Soarnol contains no heavy metals or other harmful substances. Soarnol meets the Food Sanitation Standards of various countries.

U.S.A: US FDA 21, C.F.R. § 177.1360
JAPAN: Voluntary Regulation Standard of Sanitation Council for Polyolefin, etc., Ministry of Health and Welfare (Notification No. 370)
EU: Directive 90/128/EEC

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