

Soarnol[®] SG539B

ETHYLENE VINYL ALCOHOL COPOLYMER

New developmental retortable Grade

Applications

Soarnol SG539B is specifically designed for retort applications where it eliminates the hazing and delamination problems usually seen when retorting conventional EVOH films.

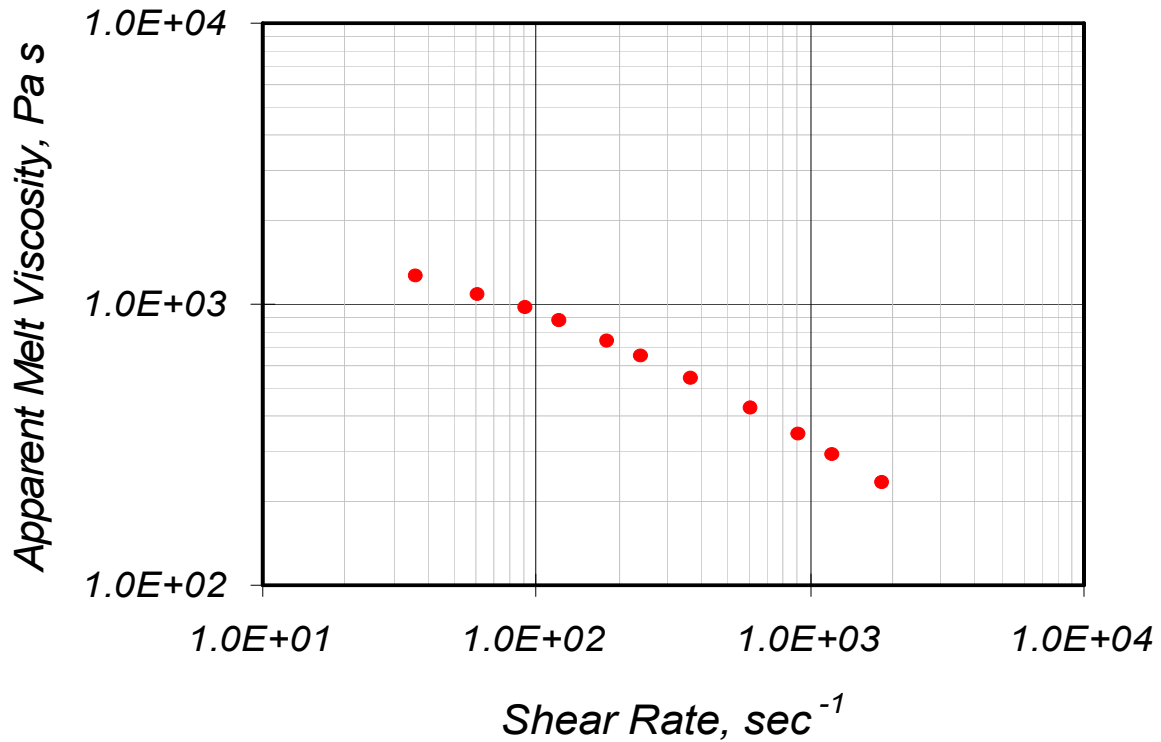
General Properties

<i>Properties</i>	<i>Unit</i>	<i>Value</i>
MFR ¹⁾ (230 degree C, 2160g)	g/10min	6.5
Volatile Matter	%	< 0.3
Oxygen Permeability(20C, 65%RH)	cc 20um / m ² day atm	0.5
	cc mil / 100inch ² day atm	0.023

1): Measured with Melt Indexer

Melt Viscosity at 240 degree C

SG539B



Example of Processing

- Extruder: 40 mm Single screw extruder, L/D = 28
- Screw: Full-flighted, constant pitch type, CR = 3.0 – 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	240	240	240
deg.F	356	392	428	464	464	464

Quality and Safety for Application of Soarnol SG539B

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. 175.105
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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