

Soarnol[®] DC3212B

ETHYLENE VINYL ALCOHOL COPOLYMER

32 mol% Ethylene Content

Applications

Soarnol DC3212B is a 32 mol% ethylene content standard grade of Soarnol with a high melt flow rate. Soarnol DC3212B has excellent barrier to gases and is primarily used in coextruded blow-molded containers and coextruded film applications. This resin can also be used in coextrusion coating.

General Properties

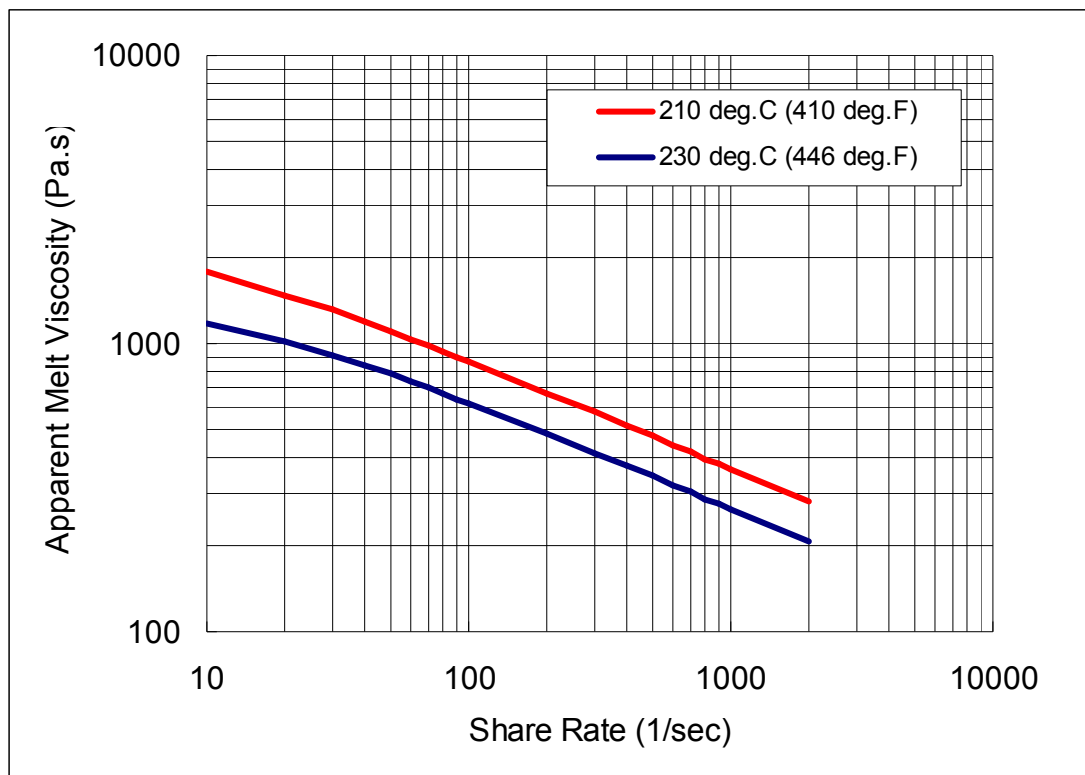
<i>Properties</i>	<i>Unit</i>	<i>Value</i>
Ethylene Content	mol%	32
MFR ¹⁾ (210 degree C, 2160g)	g/10min	12
Volatile Matter	%	< 0.3
Melting Point ²⁾	degree C	183
Crystallization Temperature ²⁾	degree C	160
Glass Transition Temperature ²⁾	degree C	61
Oxygen Permeability (20C, 65%RH) ³⁾	cc 20um / m ² day atm	0.5
	cc mil / 100inch ² day atm	0.025

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 DC3212B

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

Soarnol Contacts

Soarus L.L.C. : *3930 Ventura Drive Suite 355 Arlington Heights, IL 60004, USA*
TEL 1-847-255-1211 FAX 1-847-255-4343

Nippon Gohsei : *Umeda Sky Building, 1-1-88, Oyodo Naka, Kita-ku, Osaka 531-0076, Japan*
Head Quarter : *TEL 81-6-6440-5313 FAX 81-6-6440-5326*

Central Research : *2-13-1, Muroyama, Ibaraki, Osaka 567-0052, Japan*
Laboratory : *TEL 81-726-43-2256 FAX 81-726-43-2257*

Processing-Technique : *8-1, Matsue 4-chome, Kurashiki, Okayama 712-8052, Japan*
Development Center : *TEL 81-86-455-5214 FAX 81-86-455-5289*

Nippon Gohsei : *Merowingerplatz 1a, D-40225, Düsseldorf, Germany*
Europe GmbH : *TEL 49-211-385488-24 FAX 49-211-385488-29*

NOLTEX L.L.C. : *12220 Strang Road La Porte, Texas 77571-9740, USA*
TEL 1-281-842-5000 FAX 1-281-842-5095