

**Soarnol<sup>®</sup> DC3205HB**

ETHYLENE VINYL ALCOHOL COPOLYMER

32 mol% Ethylene Content for Heating Pipe Application

## Applications

Soarnol DC3205HB is a 32 mol% ethylene content grade of Soarnol with a low melt flow. Soarnol DC3205HB was designed for the heating pipe application.

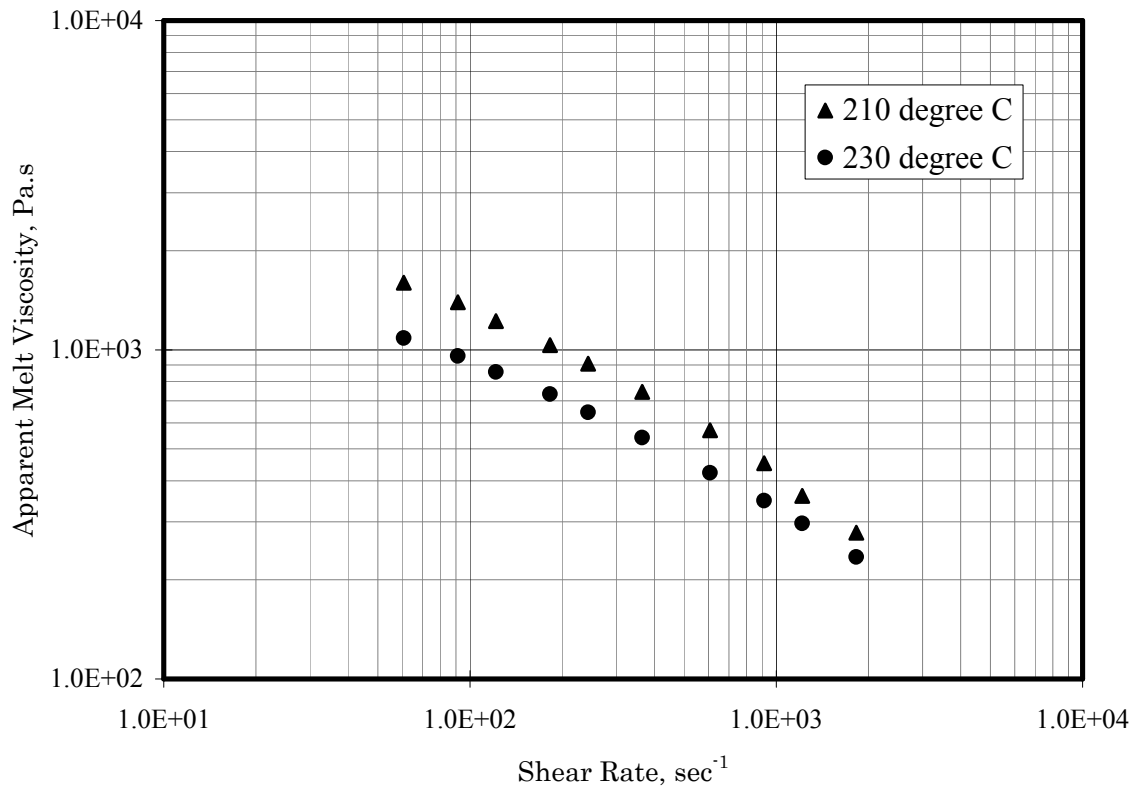
## General Properties

<i>Properties</i>	<i>Unit</i>	<i>Value</i>
Ethylene Content	mol%	32
MFR <sup>1)</sup> (210 degree C, 2160g)	g/10min	5.5
Volatile Matter	%	< 0.3
Melting Point <sup>2)</sup>	degree C	183
Crystallization Temperature <sup>2)</sup>	degree C	160
Oxygen Permeability (20C, 65%RH) <sup>3)</sup>	cc 20um / m <sup>2</sup> day atm	0.5
	cc mil / 100inch <sup>2</sup> 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 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 <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	B <sub>5</sub>	A
deg.C	180	200	220	230	230	230
deg.F	356	392	428	446	446	446

## Quality and Safety for Application of Soarnol DC3205HB

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.

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### Soarnol Contacts

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