

SoarnoL[®] D2908H4

ETHYLENE VINYL ALCOHOL COPOLYMER

29 mol% Ethylene Content for Heating Pipe Application

Applications

SoarnoL D2908H4 is a 29 mol% ethylene content grade of SoarnoL with an intermediate melt flow rate. SoarnoL D2908H4 was designed for the heating pipe application.

General Properties

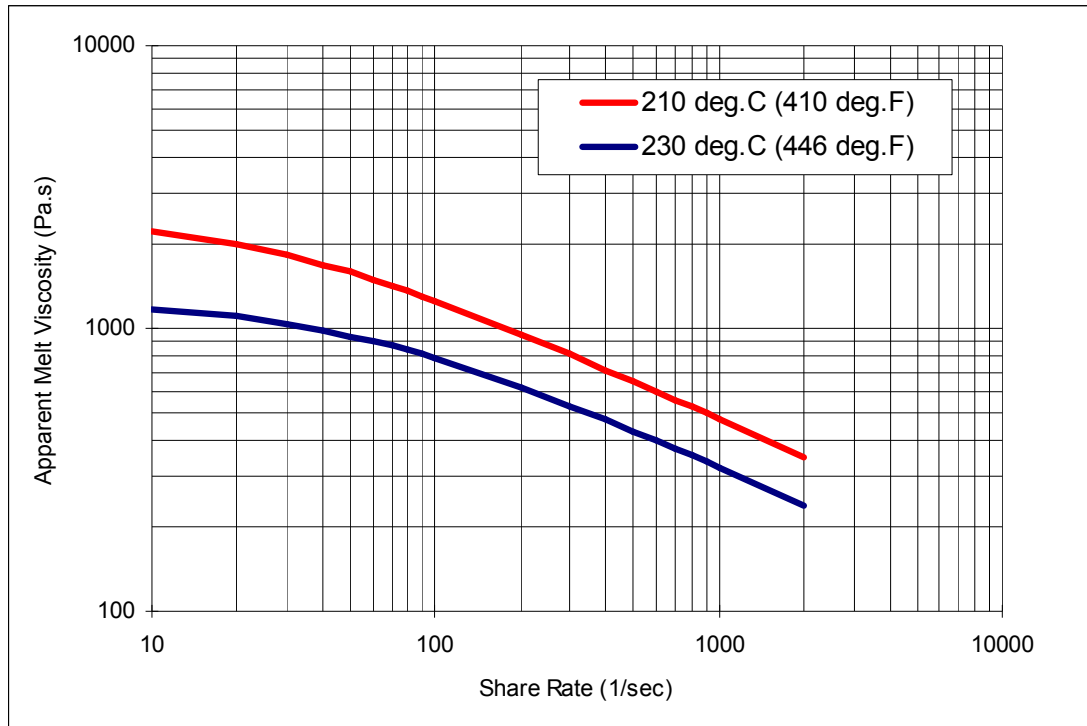
<i>Properties</i>	<i>Unit</i>	<i>Value</i>
Ethylene Content	mol%	29
MFR ¹⁾ (210 degree C, 2160g)	g/10min	8.5
Volatile Matter	%	< 0.3
Melting Point ²⁾	degree C	188
Crystallization Temperature ²⁾	degree C	163
Glass Transition Temperature ²⁾	degree C	62
Oxygen Permeability (20C, 65%RH) ³⁾	cc 20um / m ² day atm	0.4
	cc mil / 100inch ² day atm	0.020

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 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 D2908H4

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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