Soarus LLC

SoarnoL® DT2904R

ETHYLENE VINYL ALCOHOL COPOLYMER

29 mol% Ethylene Content

Applications

Soarnol DT2904R is a 29 mol% ethylene content standard grade of Soarnol with a low melt flow rate. Soarnol DT2904R has excellent gas barrier property at low humidity, good thermal stability and is used in coextruded film as well as coextruded sheet, coextruded blow-molded containers and coextrusion coating.

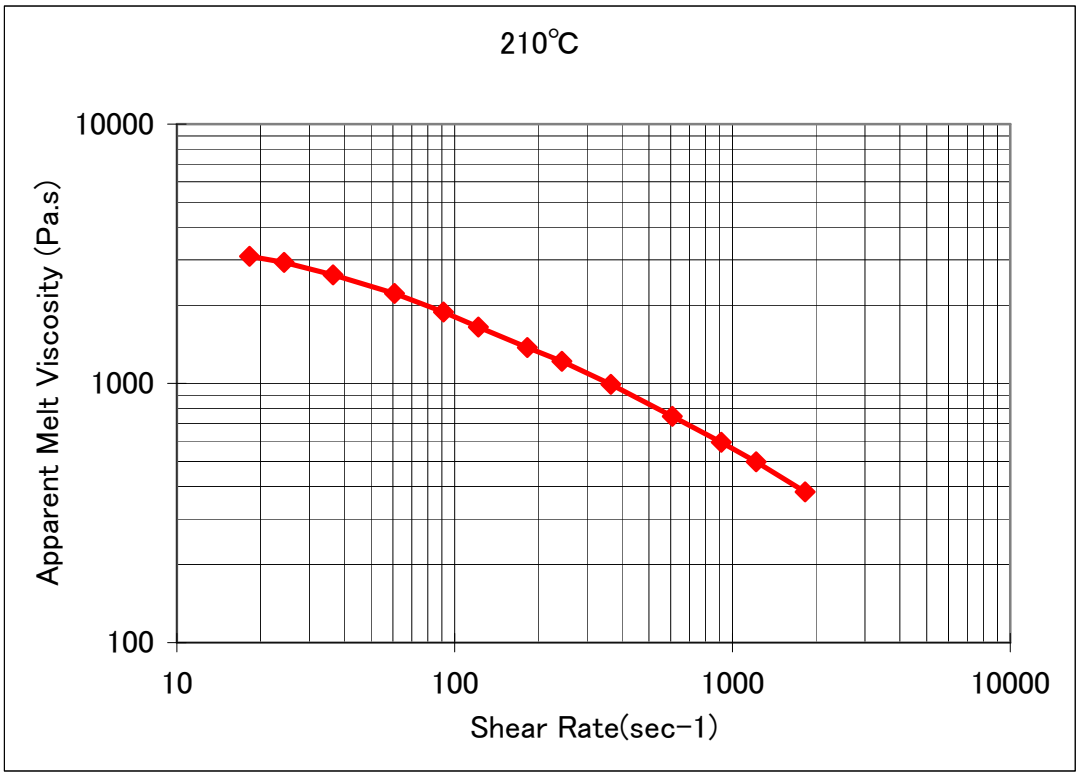
General Properties

Properties	*Unit*	*Value*
Ethylene Content	mol%	29
MFR[1)] (210 degree C, 2160g)	g/10min	3.8
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 / 100inch2 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)

Jan 08

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 DT2904R

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 Head Quarter	:	*Umeda Sky Building, 1-1-88, Oyodo Naka, Kita-ku, Osaka 531-6029, Japan* *TEL 81-6-6440-5313 FAX 81-6-6440-5326*
Central Research Laboratory	:	*2-13-1, Muroyama, Ibaraki, Osaka 567-0052, Japan* *TEL 81-726-43-2256 FAX 81-726-43-2257*
Processing-Technique Development Center	:	*8-1, Matsue 4-chome, Kurashiki, Okayama 712-8052, Japan* *TEL 81-86-455-5214 FAX 81-86-455-5289*
Nippon Gohsei Europe GmbH	:	*Prinzenallee 13, D-40549, Duesseldolf, Germany* *TEL 49-211-52392-37 FAX 49-211-52392-81*
NOLTEX L.L.C.	:	*12220 Strang Road La Porte, Texas 77571-9740, USA* *TEL 1-281-842-5000 FAX 1-281-842-5095*