

Soarnol® D2908H4

Ethylene Vinyl Alcohol

Soarus L.L.C.

Message:

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 Information			
Features	Copolymer		
	Medium liquidity		
Uses	Piping system		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (210°C/2.16 kg)	8.5	g/10 min	
Ethylene Content	29.0	wt%	Internal method
Volatile Matter		%	
Films	Nominal Value	Unit	Test Method
Oxygen Permeability ¹ (20°C, 20 µm)	0.400	cm ³ /m ² /24 hr	Internal method
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	62.0	°C	DSC
Melting Temperature	188	°C	DSC
Peak Crystallization Temperature (DSC)	163	°C	DSC
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	180	°C	
Cylinder Zone 2 Temp.	200	°C	
Cylinder Zone 3 Temp.	220	°C	
Cylinder Zone 4 Temp.	230	°C	
Cylinder Zone 5 Temp.	230	°C	
Adapter Temperature	230	°C	
Extrusion instructions			
Extruder: 40 mm Single screw extruder, L/D = 28Screw: Full-flighted, constant pitch type, CR = 3.5Screen pack: 80/120/50 meshDie: Manifold type, die width = 450 mm, lip clearance = 0.2 mm			
NOTE			
1.	Measured with OXTRAN 10/50 (MOCON), 65%RH		

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