

# Soarnol® DC3205HB

Ethylene Vinyl Alcohol

Soarus L.L.C.

## Message:

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 Information			
Features	Copolymer		
	Low 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)	5.5	g/10 min	
Ethylene Content	32.0	wt%	Internal method
Volatile Matter		%	
Films	Nominal Value	Unit	Test Method
Oxygen Permeability <sup>1</sup> (20°C, 20 µm)	0.500	cm <sup>3</sup> /m <sup>2</sup> /24 hr	Internal method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	183	°C	DSC
Peak Crystallization Temperature (DSC)	160	°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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