

Soarnol® BX6304B

Ethylene Vinyl Alcohol

Soarus L.L.C.

Message:

Soarnol BX6304B is a special grade of Soarnol with a low melt flow rate. Soarnol BX6304B is designed for thermoforming applications with excellent gas barrier.

General Information			
Features	Copolymer		
	Low liquidity		
	Gas barrier property		
	Compliance of Food Exposure		
Agency Ratings	EU 90/128/EEC		
	FDA 21 CFR 177.1360		
Forms	Particle		
Processing Method	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (210°C/2.16 kg)	4.8	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)	0.500	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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