PRIMACOR™ 3701

SK Global Chemical - Ionomer

Sunday, November 3, 2019

General Information

Product Description

PRIMACOR™ 3701 Ethylene Acrylic Acid Ionomer is designed for blown, cast, and extrusion coating for flexible packaging applications. It provides excellent sealability in coextrusions with nylon and other film structures.

- For Food and Specialty Applications
- Excellent Sealant for use in blown, cast film, and extrusion coating

Complies with:

- U.S. FDA 21 CFR 177.1310 (b)
- EU, No 10/2011

Consult the regulations for complete details.

General			
Material Status	• Commercial: Active		
Availability	• Europe	• Latin America	• North America
Additive	• Antiblock: No	• Processing Aid: No	• Slip: No
Agency Ratings	• EU No 10/2011	• FDA 21 CFR 177.1310 (b)	
Forms	• Pellets		
Processing Method	• Blown Film	• Cast Film	• Coextrusion

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.942		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	5.2	g/10 min	ASTM D1238
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	196	°F	ASTM D1525
Melting Temperature (DSC)	203	°F	Internal Method

Processing Information

Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	550	°F	
Maximum Line Speed	25.0	ft/sec	Internal Method
Minimum Coating Thickness	< 0.29	mil	Internal Method
Minimum Coating Weight	4.0	lb/ream	Internal Method
Neck-in (550°F, 1.0 mil)	1.9	in	Internal Method

Extrusion Notes

Fabrication Conditions For Extrusion Coating:

Equipment used to process this resin should be constructed of corrosion resistant materials. Dies and adapters are recommended to be stainless steels and/or duplex chrome or nickel plated.

- Screw Size: 3.5 in (89 mm); 30:1 L/D
- Screw Type: Single Flight with Maddock Mixer
- Die Gap: 20 mil (0.5 mm)
- Melt Temperature: 550°F (288°C)
- Output: 280 lb/hr
- Screw Speed: 90 rpm

PRIMACOR™ 3701
SK Global Chemical - Ionomer

Notes

[1] Typical properties: these are not to be construed as specifications.