

AMPLIFY™ IO 3702

Functional Polymer
The Dow Chemical Company

Message:

AMPLIFY™ IO 3702 Ethylene Acrylic Acid Ionomer is 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 (c)
EU, No 10/2011
Consult the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 177.1310 (c)		
	Europe No 10/2011		
Forms	Particle		
Processing Method	Blow film		
	Co-extrusion molding		
	cast film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	14	g/10 min	ASTM D1238
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	92.2	°C	Internal method
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	232	°C	
Neck-in (288°C, 25.4 µm)	108.0	mm	Internal method
Maximum production line speed	> 7.6	m/sec	Internal method
Minimum coating thickness		µm	Internal method
Minimum coating weight	4.9	g/m ²	Internal method
Extrusion instructions			

吹塑薄膜的制造条件:用于处理此树脂的设备应由耐腐蚀材料制成.建议模具和适配器采用不锈钢和/或双面镀铬或镀镍.
螺杆尺寸:3.5 英寸 (89 mm);30:1 L/D
螺杆类型:带 Maddock Mixer 的单跨型
模具间隙:20 密尔 (0.5 mm)
熔体温度: 450°F (232°C)
输出:280 磅/小时
螺杆速度:90 rpm

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