Elvaloy® AC 1913

Sunday, November 3, 2019

DuPont Packaging & Industrial Polymers - Ethylene Methyl Acrylate Copolymer

General Information

Product Description

Elvaloy® AC 1913 is a copolymer of ethylene and methyl acrylate. It is available in pellet form for use in conventional extrusion equipment designed to process polyethylene type resins.

13% Methyl Acrylate

General		
Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• Copolymer	
Agency Ratings	• FDA 21 CFR 177.1340(a)	
Forms	• Pellets	
Processing Method	• Coextrusion	• Extrusion Coating

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.932		ASTM D792
Density	0.930	g/cm³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0	g/10 min	ISO 1133
Methyl Acrylate Content	13.0	wt%	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	140	°F	ASTM D1525
Vicat Softening Temperature	140	°F	ISO 306
Peak Melting Temperature	208	°F	ASTM D3418
Melting Temperature (DSC)	208	°F	ISO 3146

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	365	°F
Cylinder Zone 2 Temp.	455	°F
Cylinder Zone 3 Temp.	500	°F
Cylinder Zone 4 Temp.	545	°F
Cylinder Zone 5 Temp.	545	°F
Adapter Temperature	545	°F
Melt Temperature	455 to 590	°F
Die Temperature	545	°F

Notes

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