



Elvaloy® AC 3717

DuPont Packaging & Industrial Polymers - Ethylene n-Butyl Acrylate Copolymer

Sunday, November 3, 2019

General Information

Product Description

Elvaloy® AC 3717 is a copolymer of ethylene and butyl acrylate. It is available in pellet form for use in conventional extrusion equipment designed to process polyethylene type resins.

17% Butyl Acrylate

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Features	• Copolymer
Agency Ratings	• FDA 21 CFR 175.105 • FDA 21 CFR 176.180
Forms	• Pellets
Processing Method	• Coextrusion • Extrusion • Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.926		ASTM D792
Density	0.924	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	131	°F	ASTM D1525
Vicat Softening Temperature	131	°F	ISO 306
Peak Melting Temperature	205	°F	ASTM D3418
Melting Temperature (DSC)	205	°F	ISO 3146
Additional Information	Nominal Value	Unit	
Butyl Acrylate Content	17.0	wt%	

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	320	°F
Cylinder Zone 2 Temp.	410	°F
Cylinder Zone 3 Temp.	455	°F
Cylinder Zone 4 Temp.	455	°F
Cylinder Zone 5 Temp.	455	°F
Adapter Temperature	455	°F
Melt Temperature	320 to 545	°F
Die Temperature	455	°F

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Extrusion Notes

Above is for Cast Film/Sheet Processing

Extrusion Coating/Lamination Processing

Feed Zone 185°C (365°F)

Second Zone 235°C (455°F)

Third Zone 260°C (500°F)

Fourth Zone 285°C (545°F)

Fifth Zone 285°C (545°F)

Adapter Zone 285°C (545°F)

Die Zone 285°C (545°F)

Notes

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