

Elvaloy® AC 3717

Ethylene n-Butyl Acrylate Copolymer

DuPont Packaging & Industrial Polymers

Message:

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 Information			
Features	Copolymer		
Agency Ratings	FDA 21 CFR 175.105		
	FDA 21 CFR 176.180		
Forms	Particle		
Processing Method	Co-extrusion molding		
	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.924	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238, ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	55.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	96.0	°C	ASTM D3418, ISO 3146
Additional Information	Nominal Value	Unit	
Butyl Acrylate Content	17.0	wt%	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160	°C	
Cylinder Zone 2 Temp.	210	°C	
Cylinder Zone 3 Temp.	235	°C	
Cylinder Zone 4 Temp.	235	°C	
Cylinder Zone 5 Temp.	235	°C	
Adapter Temperature	235	°C	
Melt Temperature	160 - 285	°C	
Die Temperature	235	°C	
Extrusion instructions			

Above is for Cast Film/Sheet ProcessingExtrusion Coating/Lamination ProcessingFeed 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)

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