



Elvaloy® AC 3427

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

Sunday, November 3, 2019

General Information

Product Description

Elvaloy® AC 3427 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.

27% Butyl Acrylate

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Additive	• Antiblock • Antioxidant • Slip
Features	• Antiblocking • Copolymer • Slip • Antioxidant • Good Toughness • Soft
Uses	• Medical/Healthcare Applications
Agency Ratings	• FDA 21 CFR 175.105 • FDA 21 CFR 176.180
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm ³	ASTM D1505
Density	0.926	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	113	°F	ASTM D1525
Vicat Softening Temperature	113	°F	ISO 306
Peak Melting Temperature	201	°F	ASTM D3418
Melting Temperature (DSC)	201	°F	ISO 3146
Additional Information	Nominal Value	Unit	
Butyl Acrylate Content	27.0	wt%	

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	275	°F
Cylinder Zone 2 Temp.	320	°F
Cylinder Zone 3 Temp.	365	°F
Cylinder Zone 4 Temp.	365	°F
Cylinder Zone 5 Temp.	365	°F
Adapter Temperature	365	°F
Melt Temperature	320 to 545	°F
Die Temperature	365	°F

Notes

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