

Elvaloy® AC 3427

Ethylene n-Butyl Acrylate Copolymer
DuPont Packaging & Industrial Polymers

Message:

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 Information			
Additive	Antiblock		
	Antioxidant		
	Slip		
Features	Antiblocking		
	Antioxidant		
	Copolymer		
	Good Toughness		
	Slip		
	Soft		
Uses	Medical/Healthcare Applications		
Agency Ratings	FDA 21 CFR 175.105		
	FDA 21 CFR 176.180		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238, ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	45.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	94.0	°C	ASTM D3418, ISO 3146
Additional Information	Nominal Value	Unit	
Butyl Acrylate Content	27.0	wt%	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	135	°C	
Cylinder Zone 2 Temp.	160	°C	
Cylinder Zone 3 Temp.	185	°C	
Cylinder Zone 4 Temp.	185	°C	
Cylinder Zone 5 Temp.	185	°C	

Adapter Temperature	185	°C
Melt Temperature	160 to 285	°C
Die Temperature	185	°C

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

