Elvaloy® AC 3217

Sunday, November 3, 2019

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

General Information

Product Description

Elvaloy® AC 3217 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

Contains Slip, Antiblock, and Antioxidant additives.

General			
Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Additive	• Antiblock	• Antioxidant	• Slip
Features	• Antiblocking	• Antioxidant	• Slip
Agency Ratings	• FDA 21 CFR 175.105		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm³	ASTM D1505
Density	0.926	g/cm³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.8	g/10 min	ISO 1133
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	158	°F	ASTM D1525
Vicat Softening Temperature	158	°F	ISO 306
Peak Melting Temperature	198	°F	ASTM D3418
Melting Temperature (DSC)	198	°F	ISO 3146
Additional Information	**Nominal Value**	**Unit**	
Butyl Acrylate Content	17	% Fv	

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 455	°F
Die Temperature	365	°F

Notes

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