

Elvaloy® AC 1609

Ethylene Methyl Acrylate Copolymer

DuPont Packaging & Industrial Polymers

Message:

Elvaloy® AC 1609 is a copolymer of ethylene and methyl acrylate. It is available in pellet form for use in conventional extrusion equipment designed to process polyethylene type resins.

9% Methyl Acrylate

General Information	
Features	Copolymer Good Flexibility Good Heat Seal Soft
Agency Ratings	FDA 21 CFR 177.1340(a)
Forms	Pellets
Processing Method	Coextrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238, ISO 1133
Methyl Acrylate Content	9.0	wt%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	70.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	101	°C	ASTM D3418, ISO 3146
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	185	°C	
Cylinder Zone 2 Temp.	235	°C	
Cylinder Zone 3 Temp.	260	°C	
Cylinder Zone 4 Temp.	285	°C	
Cylinder Zone 5 Temp.	285	°C	
Adapter Temperature	285	°C	
Melt Temperature	235 to 310	°C	
Die Temperature	285	°C	

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