



Elvaloy® AC 1218

DuPont Packaging & Industrial Polymers - Ethylene Methyl Acrylate Copolymer

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General Information

Product Description

Elvaloy® AC 1218 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.

18% Methyl Acrylate

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Features	• Copolymer
Agency Ratings	• FDA 21 CFR 177.1340(a)
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.942		ASTM D792
Density	0.940	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Methyl Acrylate Content	18.0	wt%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	140	°F	ASTM D1525
Vicat Softening Temperature	140	°F	ISO 306
Melting Temperature (DSC)	201	°F	ISO 3146
Melting Temperature	201	°F	DSC

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.