



Elvaloy® AC 1105S

DuPont Packaging & Industrial Polymers - Ethylene Methyl Acrylate Copolymer

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General Information

Product Description

Elvaloy® AC 1105S 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.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Antiblock	• Antioxidant	• Slip
Features	• Antiblocking • Antioxidant	• Copolymer • Slip	
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	0.922		ASTM D792
Density	0.920	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	1.1	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.1	g/10 min	ISO 1133
Methyl Acrylate Content	4.3	wt%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	185	°F	ASTM D1525
Vicat Softening Temperature	185	°F	ISO 306
Peak Melting Temperature	226	°F	ASTM D3418
Melting Temperature (DSC)	226	°F	ISO 3146

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.