

Elvaloy® AC 1126

Ethylene Methyl Acrylate Copolymer
DuPont Packaging & Industrial Polymers

Message:
25% Methyl Acrylate

General Information			
Features	Copolymer		
	Good Flexibility		
	High ESCR (Stress Crack Resist.)		
	Soft		
Forms	Pellets		
Processing Method	Blow Molding		
	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.944	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240, ISO 868
Shore A	78		
Shore D	19		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	19.0	MPa	ASTM D638
--	19.0	MPa	ISO 527-2/1
Tensile Stress			
Yield	14.0	MPa	ISO 527-2/500
-- ²	14.0	MPa	ASTM D638
Tensile Elongation			
Break ³	860	%	ASTM D638
Break	860	%	ISO 527-2/500
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	45.0	°C	ISO 306/A50, ASTM D1525 ⁴
Melting Temperature	90.0	°C	DSC, ISO 3146
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150	°C	
Cylinder Zone 3 Temp.	220	°C	

Cylinder Zone 5 Temp.	290	°C
Adapter Temperature	290	°C
Die Temperature	290	°C

NOTE		
1.	1.0 mm/min	
2.	500 mm/min	
3.	500 mm/min	
4.	Rate A (50°C/h), Loading 1 (10 N)	

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