

Network Polymers LDPE 10 0218

Ethylene Vinyl Acetate Copolymer

Network Polymers, Inc.

Message:

Network Polymers LDPE 10 0218 is an Ethylene Vinyl Acetate Copolymer (EVA) product. It is available in North America. Typical application: Food Contact Applications.

General Information			
Agency Ratings	FDA 21 CFR 177.1350		
Physical	Nominal Value	Unit	Test Method
Density	0.941	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) ¹ (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Vinyl Acetate Content	18.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	90		
Shore D	40		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	17.9	MPa	ASTM D638
Tensile Elongation (Break)	750	%	ASTM D638
Flexural Modulus ² (Injection Molded)	44.1	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength			ASTM D1822
-20°C	483	kJ/m ²	
23°C	557	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -98.3	°C	ASTM D746
Vicat Softening Temperature	63.9	°C	ASTM D1525 ³
NOTE			
1.	Procedure A		
2.	Method I (3 point load)		
3.	Rate A (50°C/h)		

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