

FLEXAREN® 18001

Ethylene Vinyl Acetate Copolymer

Innospec Leuna GmbH

Message:

FLEXAREN® 18001 - high quality ethylene vinyl acetate copolymer with 18% content of vinyl acetate. Manufactured by high pressure tubular process FLEXAREN® 18001 is more elastic than LDPE and compatible with a wide range of polymers. It can be processed with the same equipment.

General Information			
Features	Copolymer		
	Crosslinkable		
	Good Flexibility		
	High Clarity		
	Low Temperature Flexibility		
Uses	Film		
	Foam		
	Food Packaging		
	Hose		
	Stretch Wrap		
	Wire & Cable Applications		
Agency Ratings	EU 10/2011		
Appearance	Clear/Transparent		
	Natural Color		
Forms	Granules		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (20°C)	0.939	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ISO 1133
Vinyl Acetate Content	18.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	89		
Shore D	36		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/1BA
Break	23.0	MPa	
50% Strain	4.00	MPa	
Tensile Strain (Break)	> 750	%	ISO 527-2/1BA

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	65.0	°C	ISO 306/A
Extrusion	Nominal Value	Unit	
Melt Temperature	100 to 150	°C	

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