

FLEXAREN® 14001

Ethylene Vinyl Acetate Copolymer

Innospec Leuna GmbH

Message:

FLEXAREN® 14001 - high quality ethylene vinyl acetate copolymer with 14% content of vinyl acetate. Manufactured by high pressure tubular process FLEXAREN® 14001 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		
	Good Flexibility		
	High Clarity		
	Low Temperature Flexibility		
Uses	Agricultural Applications		
	Film		
	Hose		
	Profiles		
	Seals		
	Stretch Wrap		
Appearance	Clear/Transparent		
	Natural Color		
Forms	Granules		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (20°C)	0.934	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ISO 1133
Vinyl Acetate Content	14.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	92		
Shore D	36		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/1BA
Break	20.0	MPa	
50% Strain	4.50	MPa	
Tensile Strain (Break)	> 700	%	ISO 527-2/1BA
Films	Nominal Value	Unit	Test Method
Tensile Strength			ISO 527-3

MD : 50 μm	32.0	MPa	
TD : 50 μm	25.0	MPa	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	67.0	°C	ISO 306/A
Extrusion	Nominal Value	Unit	
Melt Temperature	100 to 150	°C	

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