

# Esmedica VH 5142EH

Polyvinyl Chloride  
Sekisui Chemical Company, Ltd.

Message:

Esmedica VH 5142EH is a Polyvinyl Chloride product. It can be processed by casting, extrusion, or injection molding and is available in North America.  
Typical application: Medical/Healthcare.

General Information	
Uses	Medical/Healthcare Applications
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Casting
	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	82		ASTM D2240
Films	Nominal Value	Unit	Test Method
Water Vapor Transmission	24	g/m <sup>2</sup> /24 hr	ASTM E96
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	9.22	MPa	ASTM D412
Tensile Strength (Yield)	28.2	MPa	ASTM D412
Tensile Elongation (Break)	370	%	ASTM D412
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.8E+12	ohms	ASTM D257
Volume Resistivity	2.1E+12	ohms · cm	ASTM D257
Dielectric Constant (1 kHz)	4.70		ASTM D150
Optical	Nominal Value	Unit	Test Method
Transmittance	89.9	%	ASTM D1003
Haze	10	%	ASTM D1003

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Recommended distributors for this material

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