

# Shin-Etsu Elastomer KE-1950-50A/B

Silicone Rubber, HTV

Shin-Etsu Silicones of America

Message:

Shin-Etsu KE-1950-50 is a liquid injection molding silicone. It is supplied as two components which are mixed in a 1:1 ratio to ensure easy and accurate blending. The viscosity of KE-1950-50 is low enough to allow easy pumping through most injection molding systems.

Rapid cure time at elevated temperature.

Long pot life at room temperature.

Typical Applications

O-rings. - Diaphragms.

Capping.

Rubber rollers.

Connector packings.

Other electrical parts

General Information		
Features	Low viscosity	
	Workability, good	
	Fast curing	
Uses	Electrical/Electronic Applications	
	Electrical components	
	Diaphragm	
	Roller	
	Shield	
Agency Ratings	FDA not rated	
	USP Class VI	
Forms	Liquid	
Processing Method	Liquid Injection Molding (LIM)	
Physical	Nominal Value	Unit
Specific Gravity	1.13	g/cm <sup>3</sup>
Hardness	Nominal Value	Unit
Durometer Hardness	52	
Elastomers	Nominal Value	Unit
Tensile Stress (100% Strain)	1.67	MPa
Tensile Strength	9.30	MPa
Tensile Elongation (Break)	550	%
Tear Strength <sup>1</sup>	39.9	kN/m
Compression Set (180°C, 22 hr)	8.0	%
Thermoset	Nominal Value	Unit
Post Cure Time (200°C)	4.0	hr

Additional Information		
Press Cure / Post Cure: Press/Post		
Uncured Properties	Nominal Value	Unit
Curing Time	0.083	hr
NOTE		
1.	B mould	

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