

Shin-Etsu Elastomer KEG-2000-50A/B

Silicone Rubber, HTV

Shin-Etsu Silicones of America

Message:

Shin-Etsu KEG2000-50 is a fast cure type 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 KEG2000-50 is low enough to allow easy pumping through most injection molding systems.

- High tear strength
- Rapid cure time at elevated temperature
- Long pot life at room temperature
- Typical Applications
 - O-Rings
 - Diaphragms
 - Capping
 - Rubber Rollers
 - Connector packaging
 - Other electrical parts
 - ClassVI certification

General Information		
Features	Low viscosity	
	Workability, good	
	Fast curing	
	Good tear strength	
Uses	Electrical components	
	Diaphragm	
	Roller	
	Shield	
	Connector	
Agency Ratings	FDA not rated	
	USP Class VI	
Processing Method	Liquid Injection Molding (LIM)	
Physical	Nominal Value	Unit
Specific Gravity	1.13	g/cm ³
Hardness	Nominal Value	Unit
Durometer Hardness	52	
Elastomers	Nominal Value	Unit
Tensile Stress (100% Strain)	1.72	MPa
Tensile Strength	11.1	MPa
Tensile Elongation (Break)	580	%
Tear Strength ¹	39.9	kN/m
Compression Set (180°C, 22 hr)	8.0	%

Thermoset	Nominal Value	Unit
Shelf Life (32°C)	26	wk
Post Cure Time (200°C)	4.0	hr
Additional Information		
Press / Post Cure: Press/Post		
Uncured Properties	Nominal Value	Unit
Curing Time	0.083	hr
NOTE		
1.	B mould	

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