

# Shin-Etsu Elastomer KE-2090-50A/B

Silicone Rubber, HTV

Shin-Etsu Silicones of America

Message:

Shin-Etsu KE-2090-50 is a selective self-adhesive 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-2090-50 is low enough to allow easy pumping through most injection molding systems.

Selective self adhesion

Non adhesion to metals

Insert-molding and co-injection molding available

General Information		
Features	Low viscosity	
	Workability, good	
Agency Ratings	USP Class VI	
Processing Method	Liquid Injection Molding (LIM)	
Physical	Nominal Value	Unit
Specific Gravity	1.12	g/cm³
Hardness	Nominal Value	Unit
Durometer Hardness	50	
Elastomers	Nominal Value	Unit
Tensile Strength	8.30	MPa
Tensile Elongation (Break)	420	%
Tear Strength <sup>1</sup>	38.0	kN/m
Compression Set (180°C, 22 hr)	9.0	%
Thermoset	Nominal Value	Unit
Shelf Life (32°C)	26	wk
Additional Information		
Press / Post Cure: Press		
Uncured Properties	Nominal Value	Unit
Curing Time	0.17	hr
NOTE		
1.	B mould	

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