



## SP-55000U

Shin-Etsu Silicones of America, Inc.  
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### Product Description

SP-55000U is a translucent 50 durometer low temperature phenyl silicone giving excellent low temperature properties below -100C. SP-55000U has the typical damping characteristics of a phenyl silicone elastomer. It can be formulated to meet any of the MIL and aerospace specification requirements.

### Product Features

- SP-55000U is also designed with excellent process characteristics and can be blended with other SP products to obtain various hardnesses while maintaining performance characteristics. Brittle point @ -130F / -54C - no cracks

### Typical Applications

- Applications needing low temperature.

### Typical Properties

	Low Temperature
Type of HCR	DBPH Paste (33%)
Cure Agent	
Durometer	48
Tensile Strength (psi)	1745
Elongation (%)	850
100% Modulus	145
Specific Gravity	1.18
Tear Die B (ppi)	255
Compression Set (%)	14
Comp. Set Time (hours)	70
Comp. Set Temp. (°C)	100
Comp. Set Temp. (°F)	212
Cure Time (minutes)	10
Cure Temp. (°C)	171
Cure Temp. (°F)	339.8
Post Cure Time (hours)	4
Post Cure Temp. (°C)	200
Post Cure Temp. (°F)	392

*Note: Values are not for specification purposes.*

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