

**Product Description**

SP-57000U is a translucent 70 durometer low temperature phenyl silicone giving excellent low temperature properties below -100C. SP-57000U 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-57000U is also designed with excellent process characteristics and can be blended with SP-53000U to obtain various hardnesses while maintaining performance characteristics. Brittle point @ -130F / -54C - no cracks

**Typical Applications**

- Applications requiring low temperature.

**Typical Properties**

Type of HCR	Low Temperature
Cure Agent	DCBP Paste (50%)
Cure Agent B	DBPH Paste (33%)
Durometer	70
CA_B_duro	70
Tensile Strength (psi)	1300
CA_B_tens	1400
Elongation (%)	675
CA_B_elong	650
100% Modulus	215
Specific Gravity	1.24
CA_B_grav	1.24
Tear Die B (ppi)	260
CA_B_tear	250
Compression Set (%)	42
CA_B_comp	20
Comp. Set Time (hours)	70
Comp. Set Temp. (°C)	100
Comp. Set Temp. (°F)	212
Press Cure/Post Cure	Press/Post
Cure Time (minutes)	10
CA_B_curetime	10
Cure Temp. (°C)	121
Cure Temp. (°F)	249.8
CA_B_curetemp	339.8
Post Cure Time (hours)	4
Post Cure Temp. (°C)	177
Post Cure Temp. (°F)	350.6
Ratio of Catalyst to Material	1.2 : 100
CA_B_cat_amt	1.2 : 100

*Note: Values are not for specification purposes.*

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