

# Shin-Etsu Elastomer SV-18000U

Silicone Rubber, HTV

Shin-Etsu Silicones of America

Message:

SV-18000U is one of a series of easy processing, mineral filled silicone rubber bases. It can be used in a variety of applications requiring finishing by molding, extruding or calendering.

This product can be blended with other Shin-Etsu no post cure or general purpose bases for intermediate properties. The choice between these bases will depend on specific requirements.

Typical Applications

Roll covers.

Diaphragms.

General Information	
Filler / Reinforcement	Mineral filler
Features	Workability, good
	Good processing stability
	General
Uses	Diaphragm
	General
Processing Method	Extrusion
	Calendering
	Injection molding

Physical	Nominal Value	Unit
Specific Gravity	1.38	g/cm <sup>3</sup>
Hardness	Nominal Value	Unit
Durometer Hardness	77	
Elastomers	Nominal Value	Unit
Tensile Stress (100% Strain)	5.38	MPa
Tensile Strength	9.51	MPa
Tensile Elongation (Break)	190	%
Tear Strength <sup>1</sup>	18.6	kN/m
Additional Information	Nominal Value	Unit
Cure Agent	DCBP	
Press / Post Cure: Press		
Uncured Properties	Nominal Value	Unit
Curing Time	0.17	hr
NOTE		

1. B mould

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