

Shin-Etsu Elastomer SV-16000U

Silicone Rubber, HTV

Shin-Etsu Silicones of America

Message:

SV-16000U is one of a series of easy processing, no post cure 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 general purpose or no post cure bases for intermediate properties. The choice between these bases will depend on specific requirements. This product can also be extended with other extending fillers.

Typical Applications

Roll covers.

Diaphragms.

General Information

Features	Workability, good General
Uses	Diaphragm General
Processing Method	Extrusion Calendering Injection molding

Physical

Nominal Value	Unit
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Specific Gravity	1.19	g/cm ³
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Hardness

Nominal Value	Unit
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Durometer Hardness	59
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Elastomers

Nominal Value	Unit
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Tensile Strength	10.1	MPa
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Tensile Elongation (Break)	380	%
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Tear Strength ¹	21.5	kN/m
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Compression Set (177°C, 22 hr)	14	%
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Thermoset

Nominal Value	Unit
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Post Cure Time (200°C)	4.0	hr
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Additional Information

Nominal Value	Unit
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Cure Agent	DCBP
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Press / Post Cure: Press

Uncured Properties

Nominal Value	Unit
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Curing Time	0.17	hr
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NOTE

1.	B mould
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