



SES22251/CAT22251-20

Shin-Etsu Silicones of America, Inc.
800-544-1745

Product Description

Shin-Etsu's SES22251/CAT22251-20 is a high strength, high modulus, addition cure mold making silicone. SES22251/CAT22251-20 exhibits excellent tear resistance, low shrinkage and easy release making it an excellent mold making material. The SES22251 base silicone can be mixed with different catalysts to achieve a range of durometers.

Product Features

- Multiple catalysts with a common base for a range of possible durometers
- High tensile strength
- Excellent tear resistance
- 10:1 mix ratio
- Low shrinkage
- Easy release

Typical Applications

- Mold making applications requiring high strength molds
- Rapid prototyping

Typical Properties

Type	Mold Making
Cure Type	Addition
One/Two Component	Two
Color	Translucent
Density @ 23C (g/cm ³)	1.06
Viscosity Base (Pa·s)	50
Catalyst	CAT22251-20
Mix Ratio by weight	100:10
Cure Conditions	24 Hr @ 23C
Working Time	90 minutes
Shore A Hardness	20
Tensile Strength (MPa)	6.7
Tear Strength (kN/m)	19
% Elongation	800
Usable Temperature Range (C)	-40C to +175C

Note: Values are not for specification purposes.

Warranty- The information and data contained herein are believed to be accurate and reliable; however it is the user's responsibility to determine suitability of use. Since Shin-Etsu Silicones, Inc. cannot know all of the uses to which its products may be put or the conditions of use, it makes no warranties concerning the fitness or suitability of its products for a particular use or purpose. You should thoroughly test any proposed use of our products and independently conclude satisfactory performance in your application. Likewise, if the manner in which our products are used requires governmental approval or clearance, you must obtain it. Shin-Etsu Silicones, Inc. warrants only that its products will meet its specifications. There is no warranty of merchantability of fitness of use, nor any other expressed or implied warranties. The user's exclusive remedy and Shin-Etsu Silicones, Inc.'s sole liability is limited to refund of the price or replacement of any product shown to be otherwise than as warranted. Shin-Etsu Silicones, Inc. will not be liable for incidental or consequential damages of any kind. Suggestions of uses should not be taken as inducements to infringe any patents.



chemical-concepts.com

800.220.1966

410 Pike Road • Huntingdon Valley, PA 19006