SES22251/CAT22251-40

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

Product Description

Shin-Etsu's SES22251/CAT22251-40 is a high strength, high modulus, addition cure mold making silicone. SES22251/CAT22251-40 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 protoyping

Typical Properties

Type	Mold Making
Cure Type	Addition
One/Two Component	Two
Color	Translucent
Density @ 23C (g/cm^3)	1.06
Viscosity Base (cps)	65000.00
Viscosity Catalyst (cps)	400.00
Viscosity Mixed (cps)	31000.00
Mix Ratio by weight	100:10
Cure Conditions	24 Hr @ 23C
Working Time	90 minutes
Shore A Hardness	40
Tensile Strength (MPa)	6.39
Tear Strength (kN/m)	16.00000
% Elongation	360
Usable Temperature Range (C)	-40C to +175C

Note: Values are not for specification purposes.

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