



## KE-445

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

### Product Description

Shin-Etsu's KE-445 is a single component, room-temperature cure, self-leveling adhesive that will cure to form a tough, durable elastomer. KE-445 is a low odor, neutral cure, non-corrosive product that exhibits excellent, unprimed adhesion to metals, plastics, glass, and ceramics.

### Product Features

- Single component
- Room-temperature cure
- Self-leveling
- Low odor and non-corrosive

### Typical Applications

- Form-in-place gasketing
- Sealing electronics

### Typical Properties

Type	Adhesive/Sealant
Cure Type	Condensation
One/Two Component	One
Color	Black, White, Translucent
Density @ 23C (g/cm <sup>3</sup> )	1.05
Viscosity (cps)	5000
Cure Conditions	7days @ 23C/50% RH
Tack Free Time (min)	20
Shore A Hardness	25
Tensile Strength (MPa)	2.0
% Elongation	200
Shear Strength (MPa) (Al/Al)	0.3
Volume Resistivity (TΩ·m)	5
Dielectric Strength (kV/mm)	25
Dielectric Constant	2.8 @ 50Hz
Dielectric Dissipation Factor	5x10 <sup>-3</sup> @ 50Hz
Thermal Conductivity (W/m·K)	0.21
Usable Temperature Range (C)	-40 to +180

*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.