



Description

Gelest[®] xPDMS is a flexible, translucent molding and encapsulation compound with significantly <u>higher elongation</u> than conventional silicones. Gelest[®] xPDMS also has a <u>greater amount of self</u>sealing compared to conventional silicone RTVs, allowing for mechanical penetration of cannulae and optical fibers as well as electroactive interconnects.



Application Methods

Thoroughly mix Part A and Part B in a 100:1 ratio. Try to avoid introducing bubbles. For critical applications, de-air mix under vacuum for about 20 minutes. The pot-life is 24 hours at 25°C. Avoid entrapping air during transfer and casting. Cure at 80°C for 4 hours or at room temperature for 36 hours.

Standard Packaging

PP2-RG09 Gelest[®] xPDMS 202 g kit (200g RG09-A, 2g RG09-B) 1.01 kg kit (1000g RG09-A, 10g RG09-B)

Application and Reference Data

1. Goff, J. et al. *Polymer Preprints* **2012**, *53(1)*, 486. 2. Goff, J. et al. *Advanced Materials* **2016**, *28(12)*, 2393-2398.