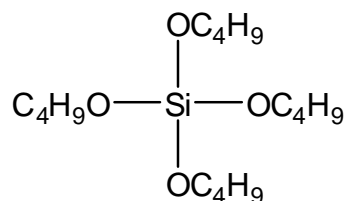


SiSiB[®] PC5440

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Tetrabutoxysilane



The ethyl group of ethyl silicate is replaced by N-butyl, so the speed of hydrolysis is even slower than N-propyl silicate, and in addition to a cross-linking agent for silicon rubber, and a modifying agent for organic and inorganic resins, it can also be used as a heating medium or cooling medium by making it a condensate. There are also hopes for applications to electron donors in Ziegler-Natta catalysts.

Typical Physical Properties

| | |
|----------------------------|---|
| Chemical Name | Tetra Butyl Orthosilicate |
| Empirical Formula | C ₁₆ H ₃₆ O ₄ Si |
| Molecular Weight | 320.54 |
| Color and Appearance | Colorless transparent liquid |
| Density _{25/25°C} | 0.899 |
| Boiling Point | 115°C [3mmHg] |
| Refractive Index | 1.4126 [20°C] |
| Flash Point | 79°C |
| CAS No. | 4766-57-8 |
| EINECS No. | 225-305-8 |
| Min. Purity | 98.5% by GC |