



Phenyl Functional Organosilane LS-E12

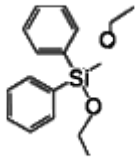
Description:

Chemical Name: Diphenyldiethoxysilane

Synonyms: Diaethoxy-diphenyl-silan

Equivalents: ShinEtsu KBE-202; Dow 1-6533

Molecular Structure:



Molecular Formula: C₁₆H₂₀O₂Si

Molecular Weight: 272.42

CAS NO.: 2553-19-7

EINECS NO.: 219-860-5

Special Features:

LS-E12 is a phenyl silane in a polymer reaction, which is an alternative to LS-E11 Phenyltriethoxysilane (Donor A) for the cross-coupling of a phenyl group.

Typical Technical Properties:

Appearance: Colorless transparent liquid

Purity (by GC, %): 98.0 min

Refractive Index (20°C): 1.519~.529

Boiling Point: 130°C

Flash Point: 110°C

Density (20°C, g/ml): 1.028~1.038

Applications:

1. Be used as raw material for the synthesis of methyl phenyl silicone oils, phenyl resins, phenyl silicone rubber and other silicone products;
2. Play an important role in the polymerization of propylene; such as an efficient catalyst;
3. Be used in various paints and coatings, adhesives and sealants industries as an adhesion promoter and a surface modifier;
4. Be used as a silane coupling agent and silane crosslinking agent or as a configuration agent for the production of methyl phenyl silicone rubbers;
5. Be used as an electrolyte additive in lithium-ion batteries;
6. Play an important role in making electronic packaging materials and aerospace materials.

Package & Storage:

In 25kg pail, 200kg drum and 1000kg IBC.

Keep in cool, well-ventilated place, and avoid exposure to humidity. Keep away from sunlight and fire sources. Keep in unopened containers, shelf life is 24 months from the date of production. It is shipped as non-hazardous substance.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.