



Phenyl Functional Organosilane LS-H12

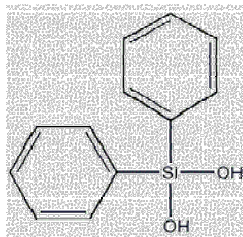
Description:

Chemical Name: Dihydroxydiphenylsilane

Synonyms: Diphenylsilandiol; DPSD; diphenyl-silanedio

Equivalents:

Molecular Structure:



Molecular Formula: C₁₂H₁₂O₂Si

Molecular Weight: 216.32

CAS NO.: 947-42-2

EINECS NO.: 213-427-4

Special Features:

Phenyl intermediate series

Typical Technical Properties:

Appearance: White acicular crystal

Purity (by GC, %): 98.0 min grade; 99.0 min grade

Refractive Index (20°C): 1.615~1.6485

Flash Point: 55°C

Melting Point: 138~142°C

Bulk Density (20°C, g/cm³): 0.55

Applications:

A very useful intermediate for the synthesis of organosilicon materials, have excellent mechanical and thermal properties as well as various special optical properties. Sol-gel polymers synthesized with diphenylsilanediol have been studied to reduce the birefringence of waveguides.

Package & Storage:

In 20kg pail, 80kg drum.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Keep in unopened containers, shelf life is 24 months from the date of production.

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.