

# FR-1410



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Flame Retardants

**Chemical Name**化学名称:

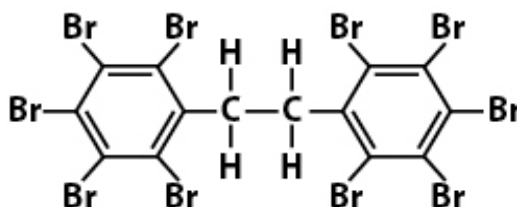
**Decabromodiphenyl ethane**十溴二苯乙烷

**Formula**化学式:  $C_{14}H_4Br_{10}$

**CAS Number** CAS号: 84852-53-9

**Bromine content (%)**含溴量 (%): 82

**Molecular Weight**分子量: 971.2



## General & Use简介和用途

FR-1410, Decabromodiphenyl Ethane, is an additive flame retardant containing 82% aromatic bromine. Its high bromine content coupled with its exceptional thermal stability makes it the material of choice for a large variety of applications.

Major application areas include HIPS, Low-Density Polyethylene, Polypropylene (Homopolymers and Copolymers), Elastomers, PBT, Polyamides, UPE and Epoxy.

FR-1410, 十溴二苯乙烷, 是一种含有82%芳香溴的添加剂阻燃剂。其高含溴量加上其优异的热稳定性使其广泛应用于各种材料。

主要应用领域包括HIPS、低密度聚乙烯、聚丙烯(均聚和共聚物)、弹性体、PBT、聚酰胺、UPE和环氧树脂

**For health & safety matters please refer to the MSDS.**

健康和安​​全事项请参​​阅MSDS。

## Typical Properties: 主要特性

Appearance 外观 White to off-white powder 白色或类白色粉末

Bromine Content (%) 含溴量	82
Specific Gravity 比重	3.25
Free bulk density, g/L 自然堆积密度	925
Tapped bulk density, g/L 体积密度	1320
Melting Point (°C) 熔点	>350

## Thermogravimetric Analysis, (10°C/min, air) 热重分析, (10°C/分, 空气中)

Weight Loss (%) 热失重	°C
2	322
5	345
10	360

## Solubility溶解度:

Solvent (g/100 g at 25°C) 溶剂

Water 水分	< 0.01
Acetone 丙酮	< 0.01
Methanol 甲醇	< 0.01
Toluene 甲苯	< 0.01
Chlorobenzene 氯苯	< 0.01
Methylene Dibromide 二溴甲烷	< 0.01

Please note that the values indicated do not constitute specification limits. To obtain current specifications, refer to your local Sales Office/Representative or ICL-IP Head Office at address herein.

请注意，这些值不表示构成的规格限制。要想获得当前的规格，请参阅您当地的销售办事处/代表处或本地地址簿中的ICL-IP总公司。

## Storage and Handling存储和处理:

FR-1410 is stable in storage over long periods of times. Store in a dry, cool, ventilated area. Avoid inhalation, ingestion and contact with the skin and eyes.

FR-1410可以长时间稳定存储。存储地点应在干燥、阴凉、通风良好的地方。避免吸入、食入，避免皮肤和眼睛接触。

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