



FR-1210 (DECA)

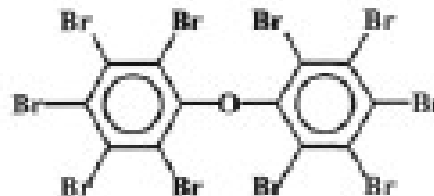
Chemical name: Decabromodiphenyl Oxide

Formula: C₁₂Br₁₀O

CAS Number: 1163-19-5

%Br: 83.0

MW: 959.2



General & Use:

FR-1210, decabromodiphenyl oxide, is an additive flame retardant containing 83% 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 (homo and copolymers), ABS, PBT, UPE, epoxy, Nylon and textiles.

For health & safety matters please refer to MSDS

Typical Properties:

Appearance	Free flowing micronized white to off white powder
Bromine Content %	83
Specific Gravity	3.4 - 3.5
Assay (HPLC) %	97
Melting Point °C	305

Thermogravimetric Analysis (10°C/minute, air)

<u>weight loss, %</u>	<u>°C</u>
1	322
5	362
10	385

Solubility

<u>Solvent</u>	<u>g/100 g at 25 °C</u>
Acetone	0.05
Benzene	0.48
Chlorobenzene	0.60
Methylene bromide	0.42
Methylene chloride	0.09
O-xylene	0.87

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

Storage and Handling:

FR-1210 is stable in storage over long periods of time. Store in a dry, cool, ventilated area. Avoid inhalation, ingestion and contact with the skin and eyes.