USE
FR-1210, decabromodiphenyl oxide, is an inert 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 thermoplastics and fibres.

SUGGESTED APPLICATIONS
High impact polystyrene • Thermoplastic polyesters (PET, PBT) • SMC • Low density polyethylene • Polypropylene (homo and copolymers) • ABS • Nylon • Textiles •

APPEARANCE
Free-flowing, micronized, white to off-white, powder.

TYPICAL PROPERTIES
Melting range, °C .................................................. 300-305
Bromine content, % .............................................. 83
Specific gravity (20 °C) ......................................... 3.0

SOLUBILITY
\[ \text{g/100 g at 25°C} \]
- in acetone .......................................................... 0.05
- in benzene .......................................................... 0.48
- in chlorobenzene .................................................. 0.60
- in methylene bromide .......................................... 0.42
- in methylene chloride .......................................... 0.09
- in o-xylene .......................................................... 0.87

THERMOGRAVIMETRIC ANALYSIS, heating rate = 10°C/minute in air

\[ \begin{array}{cc}
\text{°C} & \text{Weight loss, %} \\
322 & 1 \\
362 & 5 \\
385 & 10 \\
433 & 30 \\
446 & 50
\end{array} \]

Please note that the values indicated do not constitute specification limits. To obtain current specification refer to your local sales office or Dead Sea Bromine Group at address herein.
TOXICITY
LD_{50} (oral, rat) > 5000 mg/kg
Mildly irritant to the eyes, non-irritant to skin.

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.

For health and safety instructions and transportation details refer to the Material Safety Data Sheet, available upon request.

Complete Material Safety Data Sheet on web site:
http://bromine-compounds.esi.be

For further advice and technical assistance contact our sales office in your area:

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