

# Flame retardant Plamtar-BTBPIE

**Chemical name:** 1, 2-bis(tetrabromophthalimido) ethane; N, N-Ethylene-bis(tetrabromophthalimide)

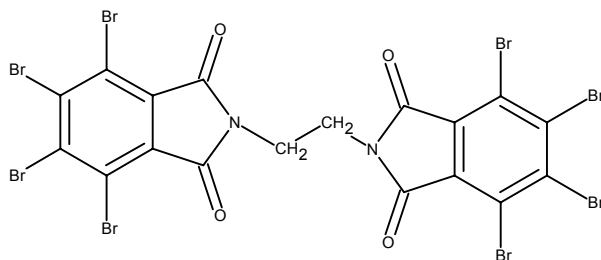
**Equivalent:** Saytex BT93 (Albemarle)

**Molecular formula:** C<sub>18</sub>H<sub>4</sub>Br<sub>8</sub>N<sub>2</sub>O<sub>4</sub>

**Molecular weight:** 951.5

**CAS No.:** 32588-76-4

**Structural formula:**



## PHYSICAL PROPERTIES

Appearance: White powders

Melting point: 470 °C

Solubility (g/100g solvent), @20 °C

Water: 0.1

Methanol: 0.1

Dichloride methane: 1.3

Bulk packed density (g/cm<sup>3</sup>), @25 °C:1.07

Toluene:0.3

MEK: 0.1

## SPECIFICATIONS

Appearance: White powders

Melting range: 470 °C

Whiteness: 85.0 ° min

Particle size(µm), D<sub>50</sub>: 5 max

Bromine content: 65.5% min

Acid value (mg KOH/g): 0.1 max

Volatiles:0.5% max, @180 °C;1.2% max, @315 °C

## APPLICATIONS

Plamtar-BTBPIE provides premium performance in a wide range of applications. It finds use in polyolefins, high-impact polystyrene (HIPS), thermoplastic polyesters (PBT, PET,etc.), polycarbonate and elastomers.

Plamtar-BTBPIE has outstanding thermal and UV stability. Its white color allows use in color-sensitive applications. Its thermal stability allows use in engineering resins like polyesters and polyamides. It is also non-blooming. This feature allows use in such critical applications as polyolefin films where good heat sealability is required. Its excellent wet electrical properties also make it ideal for wire and cable applications.

## PACKING

25kg/bag