

Name of product	TPA (Terephthalic Acid)
External appearance	White powder
Molecular weight	166. 14
Flashing point	260°C
Ignition point	496°C
Point of fusion	0.002%
Vapor tension	0.5MMHG (at 120°C)
Specific gravity	1.5
CAS number	100-21-0

TPA is now expanding its usage from fibers into packaging, audio/video tape films, general PET bottles, packaging containers for beer, milk, etc., tire cords, and automatic parts.

Fibers

Fiber technologies with functionalities exceeding those of natural fibers (cotton, silk) are being developed. TPA is being used for fibers for men's and women's suits, underwear, elastic sportswear, blouses, quilt cotton, diapers, pads, inner sheets for dolls, artificial leathers, etc.

Films

With advancements in the membrane removal and processing technology, TPA is being used for various films for agriculture, packaging, CDs, videos, recording, photographs, medicines, computer disks, etc.

Bottles

With the advances in the technologies for heat resistance, pressure resistance, gas cutoff, ultraviolet ray cutoff, shock absorption, multi-stratification, etc., TPA is being used for beverages, soju (Korean liquor), watery soaps (shampoos), etc. The products that we are developing, which are both eco-friendly and harmless to the human body, are being applied to our living areas and implements, such as the molding of kimchi boxes, soybean vinegar bottles, cooking oil bottles, medicine bottles, milk bottles, and beer bottles.

Industrial Usage

TPA, which is strongly anti-shock and eco-friendly, lends itself well to basic civil engineering materials, construction materials, knockdown toys, paint mixture, etc.

Engineering Plastics

TPA is being used for automatic parts, electrical and electronic products, etc. It offers outstanding mechanical strength, heat resistance, cold resistance, chemical resistance, transparency, and measurement stability. Its usages are further being expanded.

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Tesport F.T. cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

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