

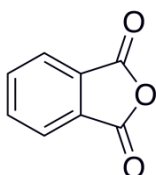
Formula : C₈H₄O₃

Molecular Weight : 148.1

CAS Registry Number : 85-44-9

Abbreviation : PA(Phthalic anhydride)

Molecular Structure :



Properties:

Property	Unit	Value	Test method
Appearance (Molten)	-	Clear liquid	Visual
Appearance (Flake)	-	White Flake	Visual
Molten color	APHA	20 max	ASTM D3366
Heat stability color	APHA	40 max	ASTM D3366
Solidification point	°C	130.8 min	ASTM D1493
PA content	%	99.85 min	by gas chromatography

Description:

Phthalic Anhydride is the anhydride of phthalic acid(1,2-Dibenzoic acid). It is produced by the oxidation of ortho-Xylene. It forms white crystal at the room temperature. Its molten is a colorless, clear liquid. In contact with water it can be changed to Phthalic acid. The main applications are plasticizers, unsaturated polyester resins, alkyd resins, polyester polyols, dyes and pigments.

Storage

PA should be stored in a cool, dry, and well-ventilated area away from heat, sunlight, and ignition source. PA should be stored in container provided with fire resistance materials. PA is kept away from strong oxidizers, strong acids, strong bases, ammonia, amines and rubber. Keep containers tightly closed and labeled. Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

Safety and Handling

The Hanwha Solutions Corporation provides its customers with a product specific Material Safety Data Sheet (MSDS) to cover potential health effects, safe handling, use and transportation. Hanwha Solutions Corporation strongly encourages its customers to review MSDS on its products and other materials prior to their use. PA is normally supplied as a Flake in 25kg PE bags or 500kg Flacon bags or 600kg Flacon bags. PA is not formulated to contain any hazardous or regulated materials such as lead, cadmium, mercury, and chromium compounds. And Hanwha Solutions Corporation guarantees that PA does not include any hazardous or regulated materials during the manufacturing process.

Other information

Further information and recommendations for processing can be obtained from our technical support staff and representatives. The data and recommendations contained in this brochure represent the current state of our knowledge and serve as a guide only to our products and their potential applications. Therefore, no warranty of specific properties of the products mentioned herein or of their suitability or fitness for a particular purpose is implied. The information given in this brochure should be checked by preliminary trials because of conditions during processing over which we have no control.