

Technical information

TRIMELLITIC ANHYDRIDE (TMA)

Synonyms:	1,2,4 benzene tricarboxylic acid, -1,2 anhydride		
CAS number:	552-30-7	EINECS number:	209-008-0
Formula:	C ₉ H ₄ O ₅	Molecular Weight:	192.12
HTS number:	29173930		

SPECIFICATION

Appearance	white flakes
Acid number mg KOH/g \geq	873
Anhydride content % \geq	98
Pt/Co color TEG solution (APHA) \leq	35
Pt/Co color melt \leq	120
Melting point	165-168 ⁰ C

PROPERTIES

Solubility	hot water	complete
	acetone	complete
	ethyl acetate	complete
	cyclohexanone	complete
	ethanol	reacts while dissolving

PACKING

Paper bags of 25 kg net, big bags with 500 or 1,000 kg

HEALTH & SAFETY, SHIPPING

Classification	X _n – harmful
Codes / markings	R 37-41-42/43
	S 22-26-36/37/39



APPLICATIONS

- It is used to produce:
 - polyester resin for powder coatings and wire enamels
 - high-strength polyimide resins
 - water-soluble alkyd resins
 - water-soluble polyurethane resins
 - plasticizer (TOTM)
 - water-soluble amino –alkyd resins
 - curing agent for epoxy resins
 - aeroengine lube oil esters
 - electric capacitor maceration oil
 - sizing agent
 - smoke suppressor

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