



DESCRIPTION

Name: 4-Methacryloxyethyl trimellitic anhydride

Synonym: 4-META

HIGHLIGHTS

Research has found that methacrylates with both hydrophobic and hydrophilic groups, like 4-META, enhance monomer penetration into dentin pretreated with 10% citric acid and 3% ferric chloride (10-3). Examinations revealed the formation of a transitional zone of resin-reinforced dentin, termed the hybrid layer. The 4-META contains two functional groups facilitating a bridge between tooth and adhesives.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	RESULT
Appearance at Room Temperature	White powder / crystals
Molecular Formula	C ₁₅ H ₁₂ O ₇
Molecular Weight	304.25 daltons
Melting Point	> 90°C
CAS Registration Number	70293-55-9
Toxic Substance Control Act (TSCA) List	Not listed
Recommended Storage Temp	5°C or below

Data is for reference only and may vary depending on testing method used. The structure shown above is an idealized representation of a statistical distribution.

RECOMMENDED FORMULATION USE:

A-304 is a reactive primer recommended for use in dental applications.

CONTACT:

REQUEST A SAMPLE OR PLACE AN ORDER

Customer Support

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REF: DMI Part Number: R1231