

# PLASTICIZER-1,4-CHDM DIBENZOATE



## Introduction

1,4-Cyclohexanedimethanol Dibenzoate (1,4-CHDM BZ) is a white solid non-phthalate, non-o-phenyl dibenzoate plasticizer, binder and modifier for a wide range of polymers.

1,4-CHDM BZ is characterised by a good compatibility with a large number of polymers such as polyvinyl chloride (PVC), ethylene vinyl acetate (EVA), styrenics (SBS), polyvinyl acetate (PVAc), polyurethane (PU), and polyesters..

## Applications

- 1 In Hot melt Adhesive 1 4-cyclohexanedimethanol dibenzoate is use as plasticizer
- 2 1,4-CHDM BZ is used as hot melt adhesive modifier, is able to replace waxes and improves overall performance properties
- 3 When 1,4-CHDM BZ is used to clean hot melt coating and laminating equipment, the resolidified material can be disposed of as a solid waste.
- 4 1,4-CHDM BZ is used as a plasticizer, binder and modifier for Pressure sensitive adhesive, Cleaning material for hot melt roll coaters, Latex applications, Thermoplastic processing aid.

## Benefits

- 1 Safe ( FDA approved ).
- 2 It improves the flow of vinyl.
- 3 It provides Excellent non-stick coating to hot melt adhesives.



## Specifications

Test	Specification	Test Method
Appearance	White solid powder/granules crystals/crystalline powder	Visual
Purity	>97 %	By AAS
Moisture Content	< 0.5 %	Oven Drying at 105 Deg C
Melting Range	117 - 120 Deg C	Melting point apparatus.
Acid Value	< 8.0 (mg KOH/gm)	Titration
Saponification value	303 - 320 (mg KOH/gm)	Acid-Base titration

## Product FDA Status

It is approved for use in food contact polymer as per the following chapter headings.

Title	21 - Food And Drugs
Chapter	I - Food And Drug Administration Department Of Health And Human Services
Sub Chapter	B - Food For Human Consumption (Continued)
Part	175 - Indirect Food Additives: Adhesives And Components Of Coatings
Sub Part	B - Substances For Use Only As Components Of Adhesives
Section	175.105 Adhesives.



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