

CREST COMPOSITES & PLASTICS PVT. LTD.

Product Data of BENESTER* 6224

Product Data Sheet dated 15/02/2015

version: 00

PRODUCT DESCRIPTION:

BENESTER* 6224 is a high viscosity, slightly branched oil free saturated polyester resin developed for coil coating and general industrial application. Enamels based on **BENESTER* 6224** exhibit excellent hardness, flexibility, adhesion, colour retention, outdoor durability and stain resistance.

APPLICATION:

BENESTER* 6224 is mainly used in topcoat application. This is cross-linked with melamine resins for coil coating applications. Paratoluene sulphonic acid is recommended to promote the curing rate.

Finish based on **BENESTER* 6224** can be cured using peak metal temperature of 240°C.

PHYSICAL PROPERTIES OF LIQUID RESIN:

Color & Appearance	Light yellow liquid
Color (Gardner-Hellige)	3 max
Viscosity @ 25°C	2000-3000 cps
**Acid Value (mg KOH/gm)	6 max
Solid content (wt %)	60 ± 2
** Hydroxyl Value (mg KOH/gm)	35 ± 5
Solvent	BG/H.B. Naphtha

** Acid and Hydroxyl Value quoted relative to solid resin

Note: Test methods are available upon request.

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SOLUBILITY & COMPATIBILITY:

Aromatics	Limited
Aliphatics	Insoluble
Esters/Ketones	Soluble
Glycols/Ethers	Soluble
Alcohols	Limited

HANDLING & STORAGE:

It is recommended to store **BENESTER* 6224** at a temperature of 5-25°C and low humidity in securely closed containers. Storage premises should be cool and adequately ventilated. For safety purpose it is advisable to keep the storage area clean. The product has to be handled carefully and any contact with skin should be avoided. Sound working practices should be adopted so that the product is not released into the atmosphere. Material should be kept away from spark and heat sources. Direct exposure to sunlight should be avoided.

CAUTION:

The resin should not be allowed to pollute the ground under any circumstances. Inhalation of vapors may cause drowsiness and dizziness. Due to its low flash point the resin may result in fire hazards, if exposed to unguarded flame & possible sources of ignition.

Note: All the above information is based on the results of the test carried out at our laboratories to the best of our ability. The figures are intended to give a general indication of the characteristics of the product. No liability must be assumed or implied as a result of the data given.

BENESTER* is the brand owned by N. BENASEDO S.P.A., Italy, now manufactured in India under Technical Collaboration, at CREST COMPOSITES & PLASTICS PVT. LTD.