C – 1031

Short Oil glycerol esterified Alkyd Resin, modified with saturated fatty acid

PRINCIPAL PROPERTIES

In baking enamel high gloss good hardness and flexibility. Very good yellowing resistance. In nitro cellulose lacquers; excellent combination of hardness, flexibility and durability

APPLICATION

White baking enamels and 2K as plasticizer for NC lacquers and for Acid Curing / Wood Coating.

- FOR BAKING SYSTEM
- NITRO CELLULOSE SYSTEM
- 2K WOOD COATING

COMPOSITION

Phthalic Anhydride	Approx. 40 %
Fatty Acid	Approx. 37 %
Type of Fatty Acid	Saturated Fatty Acid

PHYSICAL CONSTANTS

Viscosity in 50% Solution in O-Xylene at 30°C Temperature in Ford Cup B-4	175 – 225 Second
Viscosity in Gardner Bubble Viscometer at 25°C Temperature	
Acid Value (mg KOH/gm)	3 Max
Color (APHA/Pt-Co)	20 Max

SOLUBILITY

Xylene	Complete Soluble
n-Butyl Acetate	Complete Soluble
Methyl Ethyl Ketone	Complete Soluble
Nitro Cellulose	Complete Soluble
n-Butanol	Almost Soluble
Turpentine	Not Soluble
MTO / WS	Not Soluble

COMPATIBILITY

D – 2040M	Compatible
CA – 3045	Compatible
MF – 268/910/970	Compatible
UF – 8/9001	Compatible
MRGLY	Compatible
Long Oil in MTO/WS	Not Compatible

DELIVERY FORM

C – 1031	80 ± 2% in Xylene

Guideline for Baking Clear

C – 1031 80%	17.50 Gm
MF – 910	5.00 Gm
Toluene	11.50 Gm
Total	34.00 Gm

Drying Time

Panel Test (120°C for 30 Minutes)	100 Micron Applicator
Panel Testing Baking Hardness	2H