CRAY VALLEY

COATING RESINS

TECHNICAL DATA — SYNOLAC 9002(60%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C	58 - 62
Viscosity in CPS at 25°C (Straight) (By Brookfield Viscometer Spindle No.4 RPM20)	4000 - 5000
Viscosity in secs at 30°C (50% in Aromax) In B-4 cup	250 – 300 secs.
Colour, Gardner scale (ISO 4630)	≤ 8 Gardner
Acid value, mg KOH/g (ISO 3682)	≤20

OTHER PROPERTIES

Volatile	Aromax
Non-volatile content, % @ 150°C	60
Flash point, °C (ISO 3679)	45
Density at 20°C (ISO 2811)	0.98
Oil or Fatty Acid Type	DCO
Oil Length in %	55%

Note –Acid Value quoted relative to solid resin

PRODUCT INFORMATION

SYNOLAC 9002(60%) SYNOLAC9002(60%) is a short oil oxidising acrylic modified alkyd resin ; which is made in combination with Glycerol and pentaerythritol.
SYNOLAC 9002(60%) is specially recommended to use as sole medium in roller coating enamels and in tube coatings varnishes. This resin is available in 60% solids. Particular advantages gained by using this resin include:

- Excellent deep drawing properties.
- Excellent adhesion.
- Excellent Gloss and gloss retention.
- Good colour and colour retention.

Solubility:
SYNOLAC9002(60%) is completely soluble in aromatic hydrocarbons , ketones and esters. It does have solubility in alcohols like butanol , isopropanols. It also does have very limited tolerance to high boiling aliphatic solvents.

Recommendations:
In pigmented roller coating enamels, SYNOLAC 9002 is recommended for use without modification; however traces of metallic driers or minor amounts of amino resin may be added to increase surface hardness. Where these modifications are made, however, the flexibility and forming properties may be adversely affected. Enamels based on SYNOLAC 9002 typically have 1:1 pigment binder ratio.

Baking Schedule:
Enamels or clear varnishes based on SYNOLAC 9002 will normally baked in the range of 15 minutes at 150°C and 10 minutes at 170°C.

USES:
SYNOLAC 9002(60%) is a right choice for Roller coating and Tube coating enamels and varnishes.

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