

TECHNICAL DATA SHEET

SYNOLAC® P20X70

Short Oil Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® P20X70 is a non-drying short oil alkyd resin mainly recommended to be used as plasticizer in nitro-cellulose lacquers. In conjunction with proper amino resins, also fitted as a backbone resin for acid curing lacquers with good pot-life, good gloss and hardness. With proper formulation, it is also can be used as stoving enamel.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	69 - 71	ISO 3251
Viscosity (25°C at 60% NV, Gardner)	Z4 - (Z5+)	Gardner-Holdt
Color (Gardner)	Max. 5	ASTM D-1544
Acid value (mg KOH/g)	4 - 9	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	1.06	-
Fatty acid type	Vegetable oil	-
Fatty acid content (%)	33	-
Hydroxyl content (%)	4.9	-

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

MARKETS

Coatings & Inks

- Industrial Coating
 - General Industry
 - Wood Furniture

PERFORMANCE BENEFITS

- Good plasticizing properties
- Good gloss
- Good hardness
- Good sanding properties

SYNOLAC® P20X70

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® P20X70 is recommended for furniture wood coating based on nitro-cellulose and acid curing system. It gives good plasticizing in nitro-cellulose lacquers and gives good hardness in acid curing when formulated together with amino resins.

SOLUBILITY

Aromatic hydrocarbon — Complete
Ester — Complete
Ketone — Complete
Glycol Ether — Complete
Alcohol — Partial
Aliphatic Hydrocarbon — Partial

COMPATIBILITY

Urea Resins — Very Good
Isocyanate Resins — Good
Short Oil Alkyd — Very Good
Melamine Resins — Good
NC — Good
CAB — Fair
Polyester Resins — Fair
Acrylic Resins — Fair
Epoxy Resins — Fair

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® P20X70 should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 35°C. Exposure to direct sunlight should be avoided.
In the above mentioned storage conditions the shelf life of the resin will be 12 months.

Arkema Coating Resins Malaysia
PLO 491, Jalan Keluli, Pasir Gudang
Industrial Estate, 81700 Pasir Gudang,
Johor – Malaysia
T +60 7 253 6688

Headquarter: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80

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