

H&I Chemicals Ltd

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SALES SPECIFICATION

ALKYD RESIN SMK 3349

SMK-3349 is a Special Fatty Acid Based Short Oil Alkyd Resin.

Composition

Oil Type:	Special Fatty Acid
Oil Length:	~27 %
Solvent:	Xylene
PA Content:	~34 %
Appearance:	Clear

Test	Range	Method
Non-Volatile:	60±2 %	ISO 3251
Viscosity (25°C) Pa.s (70%):	4 – 10	ISO 3219
Acid Value (mg KOH/g):	10 Max	ISO 2114
Colour (Gardner):	7 Max	ISO 4630-2
Density (gcm ³):	1.00 ± 0.02	ISO 2811-1

Solvent Solubility

Toluene:	✓
Xylene:	✓
White Spirit:	X
n-Butanol:	X
Methyl Ethyl Ketones:	✓

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Glycol Ethers: ✓

Resin Type Compatibility

Rosin Esters: X

Amino Resins: ✓

Short Oil Alkyds: ✓

Medium Oil Alkyds: ✓

Long Oil Alkyds: X

Aliphatic Hardeners: ✓

Aromatic Hardeners: ✓

Cellulosic Resin: ✓

Polyether Polyol: X

Recommended Drier Combinations:

Cobalt: 0.04 – 0.06 %

Zirconium: 0.05 – 0.07 %

Calcium: 0.08 – 0.10 %

(As metals in relation to 100% resin)