Product Data Sheet
Urakyd™ AK424 X-60

Short-oil chainstopped alkyd resin based on soya-bean fatty acids

Applications
- machinery primers/top coats
- general industrial finishes
- forced drying/stoving enamels

Principal properties
- drying speed
- hardness
- yellowing resistance
- adhesion

Dilutability

Xylene	complete
n-Butyl acetate	complete
Methyl ethyl ketone	complete
n-Butanol	limited
White spirit	insoluble

Compatibility

Short-oil alkyds	complete
Amino resins	complete
Cyclised rubber	complete
Chlorinated rubber	complete
Medium-oil alkyds	limited
Long-oil alkyds	incompatible

Recommendations on formulation and use
Urakyd AK424 is extremely fast drying and can be used in air drying systems as well as in stoving systems. For stoving systems a replacement of ca. 10% of the alkyd resin by a suitable amino resin is recommended.
As diluents the use of aromatic solvents is recommended. In paint formulations the usual pigments and/or extenders may be used.

Starting formulations
Starting formulations available on request.

Test methods
Test methods (TM) referred to in the tables are available on request.

Delivery form:
60% in xylene

Product specifications

Property	Range	Unit	TM
Solids content	59 - 61	%	2025
Viscosity, Falling ball 23°C	36 - 47	dPa.s	2001
Acid value, on solid	4 - 9	mg KOH/g	2401
Color	0 - 3	Gardner	2017
Appearance	clear	-	2265

Other product data

Property	Value	Unit	TM
Oil length	22	%	-
Type of fatty acid	soya-bean	-	-
Phthalic acid content	ca. 39	%	-
Hydroxyl content, on solid	ca. 2.5	%	2432
Density, 23°C	ca. 1030	kg/m³	2160
Flash point	ca. 26	°C	2800

Drier system
For optimal drying characteristics it is recommended to use (weight% metal on solid resin):

Cobalt drier	0.01 - 0.03%
Calcium drier	0.05 - 0.1%
Zirconium drier	0.1 - 0.3%

Storage guidelines
The resin should be stored indoors in the original, unopened and undamaged containers in a dry place at storage temperatures between 5°C and 30°C. Exposure to direct sunlight should be avoided.

Shelf life
Under the stipulated storage conditions, the anticipated shelf-life is 365 days from last quality control date, as stated in the Certificate of Analysis.

Material safety
A material safety data sheet of the products is available on request.

塑料专家 www.ponci.com.cn/wxb/ +13538586433 +18816996168