

67420 Paraloid™ B-67

Solid Grade Thermoplastic Acrylic Resin

Summary

Paraloid™ B-67 is an alkyd-compatible acrylic ester resin particularly designed to have good compatibility with medium- and long-oil alkyds, drying oils, and oleoresinous varnishes. The addition of Paraloid™ B-67 to alkyds, oils or varnishes produces coatings of improved hardness, faster drying speed, better color and gloss retention and improved hold out and brushing characteristics.

Paraloid™ B-67 is the most hydrophobic of the Paraloid™ thermoplastic resins and has excellent water resistance.

Paraloid™ B-67 is recommended for general product finishing and as a topcoat in vacuum metallizing applications. It is also a very good pigment dispersant.

Physical Properties

(Not to be used as specifications)

Product Properties	Specification
Appearance, as-is visual	Free of visible foreign matter
Appearance of solution*	Clear to slightly turbid viscous liquid, free of sediment, foreign particles or polymer granules
Color of solution, APHA ASTM D-1209	30, maximum
Turbidity Naphtha, scale	30, maximum
Viscosity, corrected, cps Brookfield LV, spindle #2, 60 rpm, 25°C	250 - 375

* 45% solution by weight in toluene

Solubility of PARALOID™ -Acrylic Thermoplastic Resins

(Values given are Viscosity, cps, at 25°C of a 40% solids solution, except as noted)

Solvents	PARALOID™ Types				
	B-44 No. 67460	B-66 No. 67480	B-67 No. 67420	B-72 No. 67400	B-82 No. 67440
Alcohols					
2B Alcohol	- ^c	- ^c	- ^c	Dc	PScd
Isopropanol	-	-	2 800	-	-
n-Butanol	-	94 ^e	2 500	130 ^e	-
Isobutanol	-	5 600 ^{fg}	3 200	-	-
n-Amyl alcohol	-	-	3 200	-	-
Diacetone alcohol	10 000	6 200	2 300	3 500	3 000
Chlorinated Hydrocarbons					
Methylene chloride	2 700	850	520	960	1 200
Carbon tetrachloride	860 ^g	280 ^e	20 000	280 ^e	6 000 ^f
Ethylene dichloride	5 500	1 200	640	1 300	1 800
Trichloroethylene	12 000	7 200	2 100	4 800	3 400
Esters					
Ethyl acetate	1 800	940	240	500	610
n-Propyl acetate	1 800	570	180	550 ^g	580
n-Butyl acetate	2 600	875	250	700	630
Isobutyl acetate	3 100	960	240	660 ^g	700
Amyl acetate	5 600	1 110	320	850	980
1-Ethyl hexyl acetate	-	6 900	770	-	-
Ethers					
Dioxane	5 600	880	830	1 300	1 700

c. Code for used letters: - = Insoluble; D = Dispersed; PS = Partially soluble

d. Results when using pure 2B alcohol. Paraloid™ B-82 is soluble in different alcohol/water-mixtures.

e. Viscosity determined at 20 % solids.

f. Viscosity determined at 30 % solids.

g. Hazy solution.