ZHAV

Synthetic Resin and Polymer

Acrylic Polyol (OH:2.7 - 60% X/Ba/S100) - Code : 1 2 2 7 4

Description

Zhav Polyol acrylic resin, code 12274, is a soluble hydroxyl resin in xylene and butyl acetate. Resin 12274 in two-component systems with poly isocyanates, creates coatings with excellent quality, appearance and gloss that provide perfect mechanical, chemical effect.

Application

Zhav polyol acrylic resin, code 12274, is designed for two-component polyurethane systems based on polyol acrylic and poly isocyanate. This resin has excellent properties such as outstanding gloss, UV resistance, perfect chemical, physical and mechanical resistance. This resin is used in the manufacture of polyurethane paints in the automotive industry.

Specifications

Property	Value	Units	Method ISO
Non-volaties	59-61	%	3251
Acid value (as such)	1.5-5.5	Mg KOH/g	3682
Viscosity (23°c , 50s)	1900-2700 (at 59%)	cPa.s	3219
	2000-2800 (at 60%)	cPa.s	
	2100-2900 (at 61%)	cPa.s	
Color	Max 50	APHA	6271
Appearance	Clear < free of extraneous		

Combination of solvents

Xylene 60% - Butyl acetate 10% - Solvesso (100) 30%

Applied technical specifications

Test	Data	Unit	Method
density	0.99	g/cm³	DIN 53217
Hydroxyl content	2.7 %	On solid resin	
Flash point	29	°c	DIN 53213
Water content	Max 0.1	Wt.%	

Solubility

Solvent	Result	Percent
Solvesso 100 - 150	Complete	100%
Xylene	Complete	100%
Toluene	Complete	100%
Acetone	Complete	100%
n-Butyl acetate	Complete	100%
Methoxy propyl acetate	Complete	100%
Ethyl acetate	Complete	100%

Storage

12 Months at storage temperature below 35 °c in dry place