



Synthetic Resin and Polymer

Acrylic Polyol (OH:4.5 - 60% X) - Code : 1 2 4 5 4

Description

Zhav Polyol acrylic resin, code 12454, is a soluble hydroxyl resin in xylene and butyl acetate. Two-component resin 12454 with poly isocyanates creates coatings with excellent quality, appearance and gloss that can provide all the physical and chemical properties of coatings at the highest level.

Application

Zhav polyol acrylic resin, code 12454, is designed for two-component polyurethane system based on polyol acrylic and poly isocyanate. This resin has the highest properties in acrylic based polyurethane systems and excellent gloss, UV resistance, mechanical and physical and chemical properties at its highest level. This resin with outstanding properties has many applications in the automotive industry and paints in the aerospace industry.

Specifications

Property	Value	Units	Method
			ISO
Non-volaties	59-61	%	3251
Acid value (as such)	2.1 - 5.5	Mg KOH/g	3682
Viscosity (23°C , 50s)	2900-3500 (at 59%)	cPa.s	3219
	3000-3600 (at 60%)	cPa.s	
	3100-3700 (at 61%)	cPa.s	
Color	Max 50	APHA	6271
Appearance	Clear < free of extraneous matter		

Combination of solvents

Xylene 95% - Butyl acetate 5%

Applied technical specifications

Test	Data	Unit	Method
density	0.99	g/cm ³	DIN 53217
Hydroxyl content	4.5 %	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