



Synthetic Resin and Polymer

Acrylic Thermoplastic (60% T) - Code : 1 2 0 4 4

Description

Zhav thermoplastic acrylic resin, code 12044, is a quick-drying, dry air, acrylic thermoplastic resin based on toluene solvent. This resin has a variety of applications with both quality exclusivities. This resin is also produced with the code 12044 X based on xylene solvent.

Application

Zhav thermoplastic acrylic resin, code 12044, has various specifications, including good viscosity, excellent gloss and appearance, high drying speed, great physical and mechanical resistance and its specific chemical resistance is one of the best options for making Cold single component traffic paints. Also, the applications of this resin can be mentioned in making dry air paints with various usages. Another ability of this resin is for polishing and varnishing, polishing and dusting, especially for concrete, brick and masonry surfaces. It should be noted that the compatibility of this resin with petro resin as well as compatibility with various solvents can create wide applications for this resin.

Specifications

Property	Value	Units	Method
			ISO
Non-volaties	59-61	%	3251
Acid value (as such)	< 9	Mg KOH/g	3682
Viscosity (23°c , 50s)	6500-7500 (at 59%)	cPa.s	3219
	6700-8100 (at 60%)	cPa.s	
	6900-8800 (at 61%)	cPa.s	
Color	Max 40	APHA	6271
Appearance	Clear < free of extraneous matter		

Combination of solvents

12040 T : Toluene 98% - Butyl acetate 2%

12040 X : Xylene 98% - Butyl acetate 2%

Applied technical specifications

Test	Data	Unit	Method
density	0.98	g/cm ³	DIN 53217
Flash point	29	°c	DIN 53213
Water content	Max 0.1	Wt.%	

Solubility

Solvent	Result	Percent
Solesso 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 30 °c in dry place