



# DSP 5033 Thermoplastic Acrylic Resin

## 【Features】

- ☆ High gloss;
- ☆ Good pigment dispersion;
- ☆ Good adhesion;
- ☆ High cost-effective .

## 【Application】

Used in the coating of construction machinery and plastic materials.

## 【Product index】

Component	Acrylate polymer	Appearance	Clear and transparent	Viscosity	1.0-3.0 Pa·s/25℃	Acid Value	3-8 mgKOH/g
Solvent	TOL/XYL	Color	≤ 1(Fe-Co)	Non-volatile Solid	50±2%	Tg/℃	33

## 【Compatibility and Solubility】

CAB 381-2	-	DSP 5052	+	Xylene	+	2-butoxy ethanol	○
CAB 551-0.2	+	DSP 5098	+	Trimethylbenzene	+	2-Ethoxyethyl acetate	○
1/2NC	+	DSP 5050	+	Butyl acetate	+	Iso-butyl alcohol	○
				Cyclohexanone	+	N-butyl alcohol	○

Notes: "+" represents fully compatible; "○" represents partially compatible; "-" represents incompatible.

## 【Reference Formula】

White baking paint		Thinner	
DSP 5033	55	Toluene	15
R930 TiO <sub>2</sub>	25	Isopropanol	20
P61 Dispersant	2	Butyl acetate	15
Toluene	5	Iso-butyl alcohol	15
BYK 306	0.3	2-Butoxy ethanol	10
Butyl acetate	7.7	Ethyl acetate	25

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All data above are experimental results, which can be used as reference however not guaranteed. Considering the limited suitability of this product and diversity of user requirements, precise experiments are still needs to ensure its suitability and stability before this product is used.



## 【Baking condition】

☆Baking condition: 60℃×30min, then 25℃×24h.

☆Substrate: Tinplate sheet.

## 【Technical index】

Item	Methods	Reference Standards	Requirments	Results
Gloss	60°	GB/T9754-88	≥ 90	99
Hardness	Pencil	GB/T6739-96	≥ HB	HB
Adhesion	Cross-cut test	GB/T9286-98	100%	100%
Ethanol resistance	Erasure test	-----	No leakage after 30 times (500g)	Pass

## 【Storage】

☆This product should be kept away from heat and fire and stored in a cool, ventilated place. Keep the container sealed.

☆Shelf life of this product: 12 months.

## 【Packaging specifications】

190kg/ per barrel.

## 【Safety】

This product contains solvents. Contacts with skin and eyes must be avoided. Please refer to the material safety data sheet to get other information.



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