

High Hardness Nano Silicone Resin 7105

●Chemical name/composition

Silicone resin 7105 is nano silicone resin.

●Description

Silicone resin 7105 is a self-crosslinking nano-coating system, with fast drying speed. It is widely used on stone, plastic, metal, and glass. Can also be used as anti-graffiti coating, self-cleaning glass coating, electroplating, varnish, etc.

●Technical data/features (not as product specifications)

The following is typical data and should not be considered a specification

Appearance	light yellow to clear liquid
Active portion (%)	40
Density (g/ml)	1.02
Solvent	PM

Product features

- ★ high luster, high fullness;
- ★ high hardness, high adhesion;
- ★ high wear resistance, pollution resistance;
- ★ high temperature resistance, aging;
- ★ oxidation, yellowing;
- ★ pollution resistance, solvent;
- ★ acid, alkali, salt, washing;
- ★ clean taste, environmental protection, high cost performance.

●所有资料, 包括配方均是真实的。但是客户必须在自己的试验室或设备上试验来确认, 供应商不能做出任何承诺。
客户必须遵守当地的专利法规。供货商有权对自己的产品进行改进, 其规格有任何改动, 恕不提前通知。

Can be widely used in cars, high-speed rail, aircraft, mobile phones and other decorative parts, especially the car decorative strip, front face, wheels, chair skeleton and other parts of the aluminum alloy and stainless steel protective coating.

Application Suggestions

Curing conditions

- ★ room temperature natural dry (two hours table dry): hardness to 3H after 24 hours, 6H~8H after five days;
- ★ low temperature drying: 80-100℃ baking 20-30 minutes to 3H, five days later to 6H~8H;
- ★★ Note: to make the coating to reach the highest hardness and the best performance, must be more than five days.

Performance parameter

Test items,	reference standard	index	results
1 cross stick force	GMW14669	120h grade 0	qualified
2 surface hardness	mitsubishi pencil	above4H	qualified
3 luster	60 degrees	greater than 96	qualified
4 high humidity test	GMw14669	240h after surface no change	qualified
5 fuel resistance	GMW14333 -A	grade 2 surface no change	qualified
6 cycle corrosion test	GMw14669	burst c condition of 9 grade <3mm Return	qualified
7 resistant gravel impact	GMW14770	greater than grade 8	qualified
8 high wet after scratch resistance	GMw14729	144h 5N force cannot enter coating	qualified
9 filaments corrosion	GMW15287	no change line no wire form	qualified
10 friction resistant test	GMW14669	no atomization adhesion	qualified
11 forbidden substance	GB / T30512 lead cadmium lead biphenyl ether	much lower than the standard	qualified
12 low wet impact	ESOW3	no crack no peeling	qualified
13 resistant cleaning agent	GMw143334 table level 2	no swelling dull color change	qualified
14 1 years of aging / 96h wet / attached	GMw14873 14829	final grinding gloss protection 85, Grated 9 2	qualified
15 1 aging + gravel impact	GMW14873, 14700	Impact greater than 8	qualified
16 Wash resistant scratch	GMw14865	and control sample equal	qualified

Operation process

- ★ oil opening ratio: stock liquid spraying.
- ★ was filtered with a 400-mesh nylon filter and left without bubble before construction.
- ★ spray film thickness: 5-25 μ m.
- ★ Basting temperature: 80-100℃, baking time: 20~30 minutes.

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★ Normal temperature table dry: 2 hours.

★★ Note: It is recommended to clean the substrate before spraying, special oil paint spray gun. The spray film thickness should be best controlled at 5~25 μ m

Hazard classification

The following information: classification of hazardous materials and transportation regulations and marking of protective measures for storage and handling measures for toxicity and ecological effects in the case of accidents and fires can be found in our safety data manual.

● Use the information

For safe use, please read the product information and product safety data sheet and package label before use, as well as any health and health hazard information.

● Storage

The product should be stored in a light shelter, cool and dry place, the storage temperature should be at 5~25°C, keep the packaging intact.

● Package

25kg/ drum

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