



Technical Data Sheet SF-SC150

Product Description

Chemical Name	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-propanamine; Polysilazane; oligosilazane; organopolysilazane(OPSZ)
CAS No.	475645-84-2, 919-30-2
Description	Solvent-free, low-viscosity liquid polysilazane resin that can be used as a heat-resistant, scratch-resistant, and hydrophobic coating.

Technical Data

Appearance	Colorless or light yellow clear liquid
Active content	100%
Viscosity 25°C (mPa.s)	30-100cs
Pencil hardness	6H
Bonding strength	5B
Water contact angle	107°
Air high temperature resistance	<500°C

Test conditions: 304 stainless steel as substrate, spin coating and air drying, film thickness 4μm

Property and Main Use

Can be cured at room temperature, moisture or heat; Good adhesion and hydrophobicity; Good weather resistance, chemical resistance and UV resistance;
Scratch-resistant coatings for automotive interior or exterior applications;
Hydrophobic, water-repellent coatings for construction, consumer goods or transportation;
Applicable to metal, glass and plastic substrates.

Processing and Curing

Coating method: various construction methods such as wiping, dipping, spraying, brushing, roller coating, etc.
Curing conditions: 2-4h surface drying at room temperature, 3-7 days curing; 240°C1min.

Package&Storage

This product can be packed in 1kg, 5kg, 200kg.
Use with good ventilation. Containers should be closed immediately after use to prevent contaminants and water vapor from entering the product. Containers must be stored in a cool, dry and well-ventilated place. Shelf life: 12months.