Technical Data Sheet

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Silfluo LR-M164

Epoxy-modified Silicone Resin

Description

Silfluo LR-M164 is an epoxy-modified silicone resin synthesized through the specialized copolymerization of organic silicone intermediates and high-performance epoxy resins. This advanced hybrid matrix combines the superior continuous heat resistance of silicones with the exceptional surface hardness and glossy finish of epoxies.

Typical Technical Properties:

Silfluo Code:	LR-M164
Appearance	Colorless to light yellow transparent liquid, opalescence is permitted
Viscosity (Flow Cup No. 4, 25°C, S)	20-90
Solid content %	50± 1
Drying time, ≤	150°C, 2h

Application

1. Harsh Environment Coatings: The ideal binder for formulating heat-resistant and anti-corrosive coatings for chemical pipelines, industrial reactors, and boilers subjected to operating conditions.
2. Appliance & Architectural Finishes: Suitable for the manufacturing of household appliance coatings and aluminum profile finishes.
3. Specialized Industrial Coatings: For various other specialized heavy-duty applications requiring a robust balance of thermal and chemical defense.

Use Reference

1. Diluent Purity: Any diluents or solvents introduced must be anhydrous and free of acids, alkalis, amines, or other reactive compounds. Contamination will negatively impact adhesion, curing profiles, and overall coating performance.
2. Safe Handling & Ventilation: This product is supplied in a matrix containing toluene and other highly flammable solvents. Explosion-proof ventilation must be ensured during application. Rigorous precautions against open flames, ignition sources, and static electricity accumulation are mandatory. Operators must adhere strictly to proper occupational safety protocols and utilize appropriate personal protective equipment (PPE).
3. Recommended Solvents: Compatible and dilutable with ketones, esters, toluene, and xylene for customized formulation viscosity.

Package &Storage:

In 200kg drum.

Keep in cool, dry place. Avoid acid and alkali contact. Avoid direct sunlight. Classified and transported as dangerous goods. The shelf life is 6 months (can still be used if the product is qualified after the expiration date).

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