Technical Data Sheet

www.silfluo.com

Silfluo FRA-500L / FRA-20000

Fluorinated Release Agent

Description:

Silfluo FRA-500L and FRA-20000 are solvent-free fluorinated release agents supplied at 100% active content. Each main agent is designed for use with LF-HF12-M8 crosslinker.

The products form platinum-catalyzed curing systems with high reaction activity and stable performance. The coated fluorinated release film can provide a release force of 1-3 g, with an aged increase below 10 g.

Typical Technical Properties:

Property	Combination 1		Combination 2	
	FRA-500L	LF-HF12-M8	FRA-20000	LF-HF12-M8
Component	Main Agent	Crosslinker	Main Agent	Crosslinker
Appearance	Colorless transparent or pale yellow oily liquid			
Viscosity (25°C, mm²/s [cSt])	400-600	20-100	18,000-22,000	20-100
Active Content (%)	100			

Application Method:

Use:

The main agent is a fluorinated release agent with 100% solids content. It is used together with LF-HF12-M8 as the crosslinker to prepare a fluorinated release film with stable performance.

Coating-Solution Preparation:

Dissolve the main agent in a suitable solvent, such as butyl acetate, methyl isobutyl ketone (MIBK), methyl ethyl ketone (MEK), or a fluorinated solvent. A single solvent or a solvent blend may be used according to the actual application. After the main agent is completely dissolved, add and dissolve the crosslinker. Then add appropriate amounts of an inhibitor, platinum catalyst, and other additives, and stir until uniform. The coating solution is then ready for use. Use the prepared coating solution as soon as possible, as prolonged standing may affect coating performance.Crosslinker ratio, inhibitor level, platinum level, coating weight and cure schedule must be established by trials.

Package & Storage:

Available in 5 kg, 20 kg, 25 kg and 200 kg plastic or steel drums.

Keep away from strong oxidizing agents, corrosive materials, acids and alkalis. Store tightly closed at

The offered information of this docs is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are fully satisfactory for end use. Suggestions of use shall not be taken as inducements to infringe any patent. Please confirm with us prior to any problems.

ambient temperature in a dry, well-ventilated place, protected from direct sunlight and rain. Keep away from heat and open flames.

Recommended shelf life: 12 months from the date of manufacture under the recommended storage conditions. Material stored beyond this period should be re-evaluated against the applicable quality requirements before use.

Transport as non-dangerous goods, subject to the current SDS and applicable transport regulations.

The offered information of this docs is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are fully satisfactory for end use. Suggestions of use shall not be taken as inducements to infringe any patent. Please confirm with us prior to any problems.