

TECHNICAL DATA SHEET

Kemliz 1921 VP

General: A liquid internal mold release / process aid additive which is incorporated directly into the resin to provide release from the die in pultrusion processing. Will also: improve line speed; reduce pull force; enhance wetting of reinforcements and fillers; and improve the surface appearance of molded profiles. An effective addition of process aid additive will not have any adverse effect on the cured resin or interfere with secondary operations such as printing, painting or bonding of cured parts.

Uses: It can be used as an internal mold release agent in pultrusion process of polyester, vinyl ester and hybrid thermosetting resin systems.

Composition: Proprietary derivatives of organic fatty complex esters.

Typical Properties:

| | |
|-----------------------|-------------------|
| Effective ingredients | 100% |
| Color | Amber |
| Specific gravity | 1.07 @ 25°C |
| Viscosity | < 300 cps @ 25°C |
| pH | ca. 2 |
| Flash point (C.O.C.) | < 150°C |
| Freezing point | < -30°C |
| Thermal stability | < 220°C |
| Refractive index | 1.44 |
| Shelf life | Minimum of 1 year |



Kemliz

Pultrusion Release Agents

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Application Instructions:

General: For best results, laboratory tests or pre-production trials should determine the optimum addition level. Kemliz 1921 VP is effective within a range of 0.5 to 2 parts per 100 resin by weight, excluding reinforcements, pigments and fillers. We recommend an evaluation at 1 part per 100. For difficult or challenging profiles (shapes), it can be recommended an evaluation of 2 phr. High amounts of filler may also require a higher percentage of mold release agent.

Mixing: When possible, mix all additives and fillers in to the resin prior to adding the Kemliz 1921 VP.

Handling: Keep container closed when not in use. It is preferable to store above freezing and below 35-40°C. DO NOT DILUTE.

Note: All information given by us about our products is based upon our tests and experience. It is intended for use by persons having technical skill at their own discretion and risk, and we assume no liability in connection with their use. (25062020)