

Technirez® FR-001-LV

Phosphonate Ester Flame Retardant

Description:

Technirez® FR-001-LV is high phosphorous containing oligomeric phosphonate flame retardant that can be used in a variety of applications requiring the highest standard of flame resistance. FR-001-LV can be used at loading levels below those of other organophosphorous containing flame retardants. FR-001-LV can be used to replace or in combination with other flame retardants such as brominated epoxy resins. It is useful in thermoset and thermoplastic resins based formulations. Properly formulated systems containing FR-001-LV will pass FAR25.853 a & b (OSU 65/65/200) flame and smoke specifications as well as UL 94-0 flame specification.

Typical Properties:

Appearance:	Clear to off-white liquid
Viscosity (@25°C):	20,000 cPs
Active concentration:	100%
Phosphorous content:	21.5%
Acid number:	<2 mg KOH/g
Specific gravity @ 25°C:	1.22
Flash point (closed cup):	146°C

Advantages:

- Low volatility content
- Good flame retardant efficiency
- Excellent thermal stability
- High phosphorous content

Typical Applications:

- Aircraft interior parts
- Electrical potting and encapsulation
- Printed circuit board

Handling Precautions:

Refer to the product Safety Data Sheet

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