

Macekote HFR 168 Technical Data Sheet

Key Features

- Does not contain any halogens, antimony, phosphates, borates, or aluminum trihydrates
- Outstanding adhesion to difficult substrates
- Soft, flexible but tough films
- Wash resistance when crosslinked
- Clear, glossy films
- Thermoplastic
- Crosslinkable

Description & Uses

Macekote HFR 168 is a fully reacted aliphatic fire retardant based on a hybrid polyurethane technology. HFR 168 does not contain any traditional fire-retardant additives such as halogens, antimony oxides, phosphates, or aluminum trihydrates. Macekote HFR 168 produces a soft but tough film with excellent adhesion and durability. Applications include use in textile coatings and allied industries.

Physical Properties

Chemical Class	Aliphatic	Tensile PSI	7000
Wet Appearance (relates to particle size)	Opaque	Elongation %	400
Viscosity cps	100 ± 50	Gloss	86
Solids %	40 ± 1 %	Sward hardness	65
pH	7.50 – 8.50	Freeze/thaw stability	yes
Water %	52.2	Thermal stability	yes
Voc g/l calculated	176	Product density	8.64 lbs/gal
Modulus PSI	2700	Emulsion class	Anionic

Handling: Store this product above 70° F and prevent from freezing. See material safety data sheet before use. The technical data or recommendations are given to the best of our knowledge but carry no guarantee or acceptance of responsibility. This data sheet becomes invalid as soon as a new edition has been published. Please contact us for the latest version. Issue date 10/04.

Mace Company
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Mace Adhesives & Coatings Co., Inc. 38 Roberts Road, P.O. Box 37, Dudley, MA 01571
Toll free 888-205-8126 Phone 508-943-9052 Fax 943-6527 Email info@maceco.com