

Macekote FR251 Technical Data Sheet

Key Features

- Fire retardancy built into polymer
- Tough, durable films
- Excellent adhesion characteristics
- Low particle size
- Passes CPAI 84 testing
- Crosslinkable

Description & Uses

Macekote FR251 is a fire retardant aliphatic polyurethane supplied in water and co-solvent. Unlike conventional fire retardant products, FR 251's fire retardancy is incorporated into the polymer backbone. Films produced using Macekote FR251 is durable, flexible, and consistently pass CPAI 84 testing among others. It can be used as a coating for textiles and other flexible substrates to impart fire retardancy with durability.

Physical Properties

Chemical Class	Aliphatic fire retardant	Tensile PSI	3690
Wet Appearance (relates to particle size)	Translucent	Elongation %	240
Viscosity cps	300 – 900	Gloss	90
Solids %	40 ± 1 %	Sward hardness	40
pH	8.00 – 9.00	Freeze/thaw stability	yes
Water %	45.4	Thermal stability	no
Voc g/l calculated	301	Product density	8.91 lbs/gal
Modulus PSI	2500	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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