

Aquatreat AR 6

Polyacrylic acid

Polyacrylic acid in an aqueous solution used in water treatment and sludge conditioning

Specifications

pH	2-2.5
Solid content	24-26 %
Viscosity	500-1500 (20 rpm, Sp# 3, @ 25°C) cps

Characteristics

Intrinsic viscosity, 25°C, 0.2N NaCl, pH 7 - 10	0.25-0.33 dl/g
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Notes:

Typical Data are based on our own measurements or derived from the literature. They do not constitute part of the delivery specification.

Applications

Boiler water dispersant, sludge conditioner.

Safety and handling

Aquatreat® AR 6 meets requirements of 21CFR 173.310 if fully neutralized with sodium hydroxide.

Additional information

Aquatreat® AR 6 is suitable in a number of applications as a replacement for natural gums. Unlike the natural gums, Aquatreat® AR 6 is stable to hydrolysis and is not susceptible to bacterial degradation. The ammonium, potassium, and sodium salts of Aquatreat® AR 6 can be used as thickeners in aqueous systems at pH 7.0 and greater, while also providing dispersion and suspension properties. The rate of resolubilization of films of Aquatreat® AR 6 can be controlled by immersion of the dried film in a 10% solution of various mineral acids or multivalent cations.

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