

Alcoguard® 4160

High performance scale inhibition and deposit control

A highly effective anti-filming polymer for automatic dishwash (ADW) formulations, Alcoguard 4160:

- is an excellent co-builder due to its scale inhibition and dispersing properties
- provides excellent anti-filming results in typical ADW formulations
- is stable at high pH, therefore also suitable for use in industrial and institutional formulations
- available as a liquid, but can be made available as a free-flowing powder or granule
- shows synergistic effects when used with Dissolvine® GL

Anti-filming test

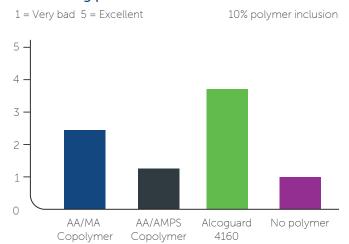


AA/MA	AA/AMPS	Alcoguard	No polymer
Copolymer	Copolymer	4160	added

Test parameters

Temperature	65°C
Wash cycles	30x
Washing machines	Miele G51 SC PLUS
Ballast soil	50 g frozen
Polymer inclusion	10%
Wash powder total	20 g

Anti-filming performance



Guideline P-free ADW formulation

Total	100%
Polymer inclusion	10%
Non-ionic, low foaming surfactant	5%
Sodium sulfate	10%
Amylase	2%
Protease	3%
EDTA	5%
Sodium disilicate	5%
Sodium percarbonate	10%
Sodium carbonate	30%
Tri-sodium citrate – 2H ₂ O or GLDA	20%

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