

Soltellus™ Polymer 2101G

Granules for Automatic Dishwasher Formulations

Soltellus™ 2101G is a high performance biodegradable polyaspartate dispersant for use in automatic dishwashing applications featuring anti-spotting, anti-filming, and other enhanced cleaning benefits.

Applications

Automatic dishwasher detergents, automatic dishwasher cleaners

Formats

Unit-dose packets, tablets, powders

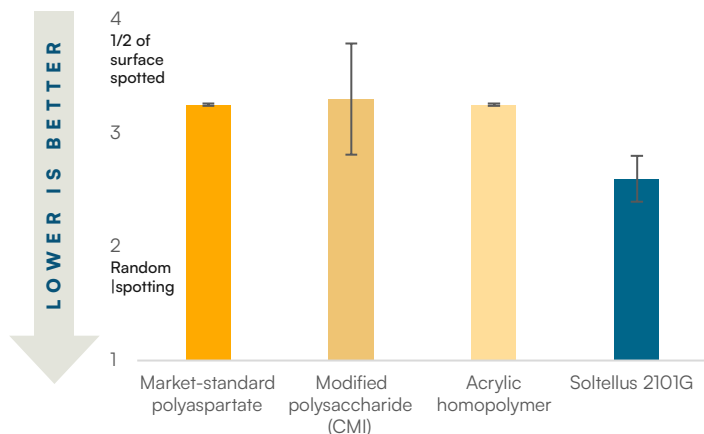
Benefits

Performance	Free-from and Sustainable	Granule Processability and Handling
<ul style="list-style-type: none"> Spotless glassware Sparkling dishes Excellent performance in hard water Prevents scale formation Water softening Leaves no visible residue and keeps machine clean 	<ul style="list-style-type: none"> Readily biodegradable¹ and free from persistent chemicals Enables free-from acrylates, phosphates, and phosphonates claims EU Ecolabel and Safer Choice compatible Safe for septic tanks 	<ul style="list-style-type: none"> Optimized mixability and processing - high density and low fines Easier tableting - excellent flowability and easy compaction Easier handling - low dust content and low hygroscopicity

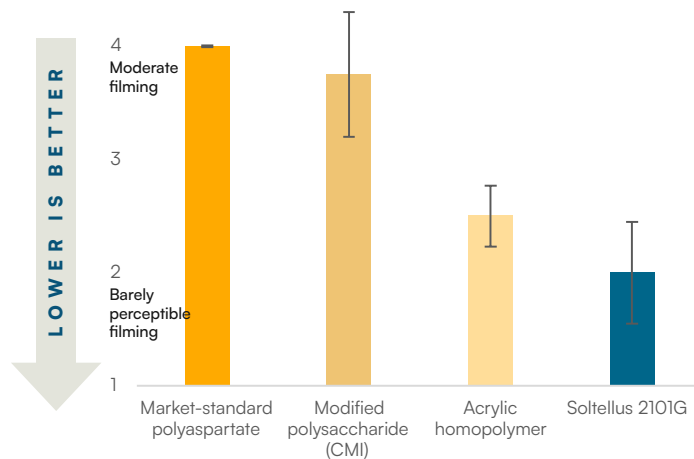
1. OECD 301B, EU Ecolabel DID-list

Performance

Spotting on glass tumblers after 10 cycles



Filming on glass tumblers after 10 cycles



SGS Labs

ASTM D3556; 3 Whirlpool machines on 1 hour cycle; 300pm CaCO₃; 2:1 Ca:Mg; 16g dose with 5% active polymer with sodium citrate builder; 55°C +/- 5°C; margarine and dry milk soils (80/20) added to each cycle; 2 glasses evaluated per cycle; n=6; 3 evaluators



Typical Properties

	Soltellus 2101G
Appearance	Off-white to yellow free flowing granules
Total actives	>95%
Water content	<5%
Loose bulk density	600 - 850 g/L
Granulometry <200 µm	<10%
Granulometry >1200 µm	<5%

Formulation Guidelines

- Recommended dosage: 3 to 5% (as actives)
- After dissolution, stable at least 1 week at pH 3-6 and over the shelf life at pH 7-12
- Can be used in combination with other dispersants to further enhance performance
- Additional starter formulations and guidelines are posted on lygos.com/markets/homecare

Storage and Shelf Life

- Storage: keep in a cool dry place away from humidity and direct light
- Shelf Life: 1 year from date of manufacture

