borchers

Your Global Specialist for Coatings & Inks

Borchi® Gen 0851

DEVELOP YOUR COLORS TO THE FULLEST IN WATER-BASED COATINGS

- Shorter grind times
- Low grind viscosity
- High transparency
- Long term viscosity and color stability

Engineered to maximize the interaction and subsequent wetting of difficult to disperse, high surface area organic pigments

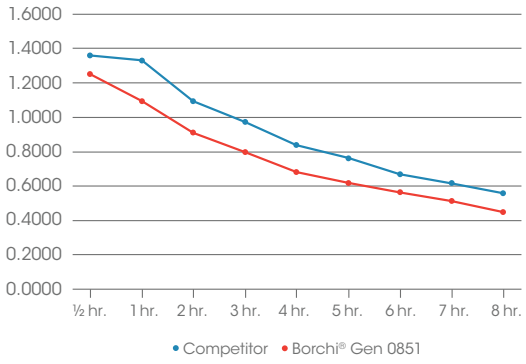
Optimized pigment wetting will produce smaller particle size dispersions with lower viscosity and improved dispersion stability

Control

Borchi® Gen 0851

Novel Dispersant Achieves Finer Particle Size Faster with PR 179

Mean Particle Size (µm) vs Grind Time

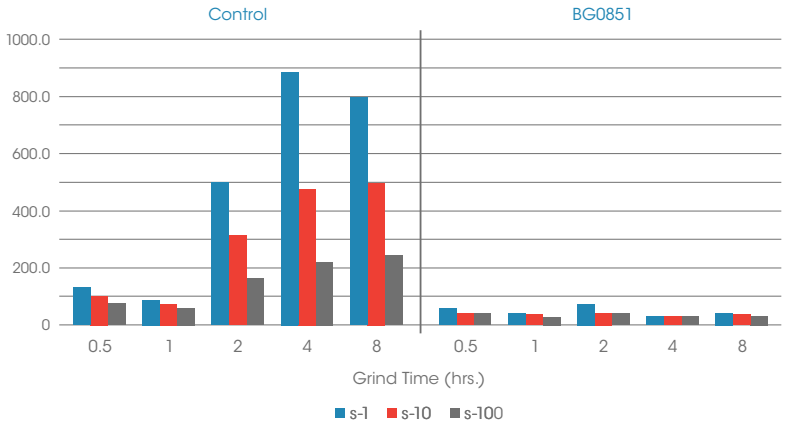


Particle Size Analyzer HORIBA LA-910

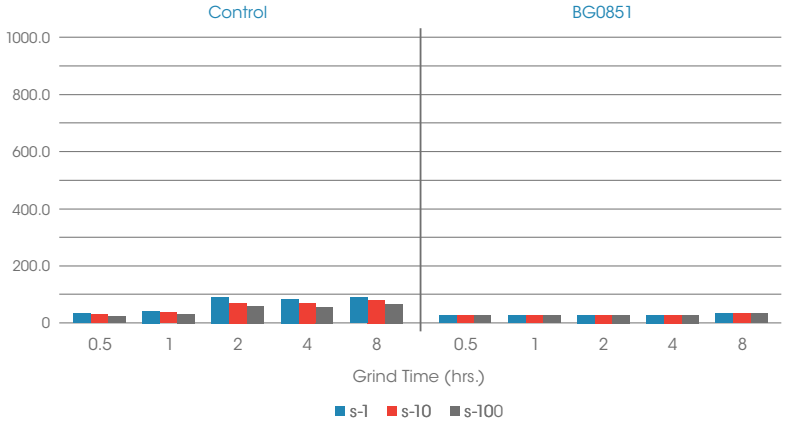
30% Pigment Concentrate

Stable Viscosity Indicates a Quality Dispersion

1 month RT - Visc σ (cP)



Initial Visc σ (cP)



Order your sample at:

www.borchers.com

1 (800) 321-9696 ▪ cust.service.us@borchers.com

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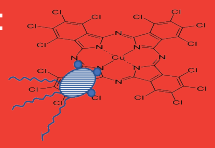
Borchi® Gen 0851

HIGH JETNESS IN WATER-BASED AUTOMOTIVE BASECOATS

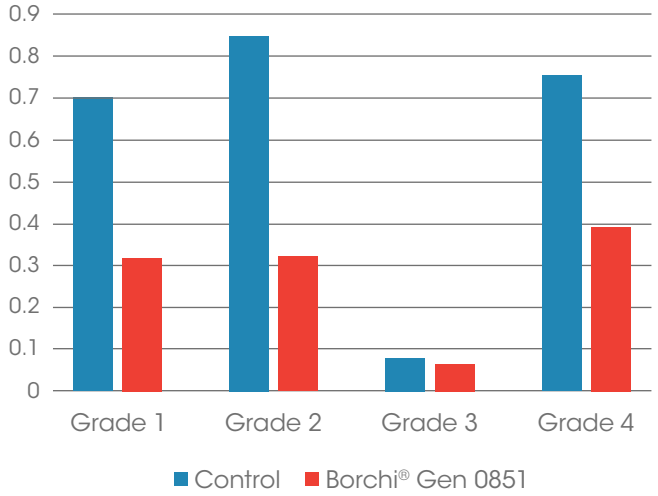
- Shorter grind times
- Low grind viscosity
- High jetness
- Long term viscosity and color stability

3 Wetting Mechanisms:



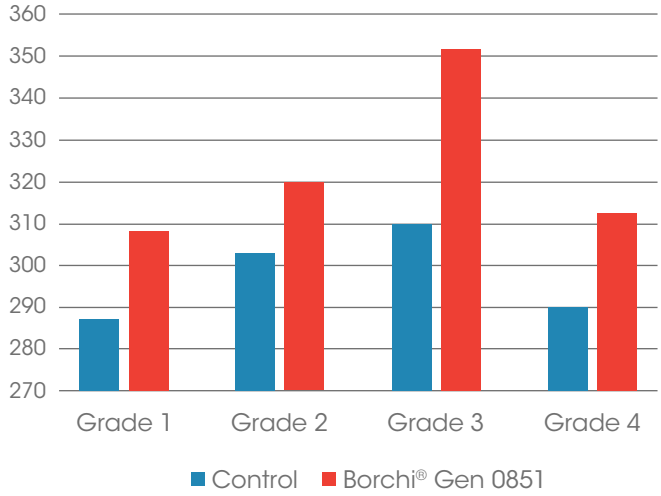
- Hydrogen Bonding
- Polarized Groups
- Electron rich body attracted to carbon black and organic pigments surface

Mean Particle Size (Microns) in 15% Conc



	Grade 1	Grade 2	Grade 3	Grade 4
Control	0.7001	0.8543	0.0871	0.7548
Borchi® Gen 0851	0.321	0.3258	0.0756	0.395

Jetness (My) PBk 7 (2K WB) 3% Pigment



	Grade 1	Grade 2	Grade 3	Grade 4
Control	287	303	310	290
Borchi® Gen 0851	309	320	352	313

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