

# 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

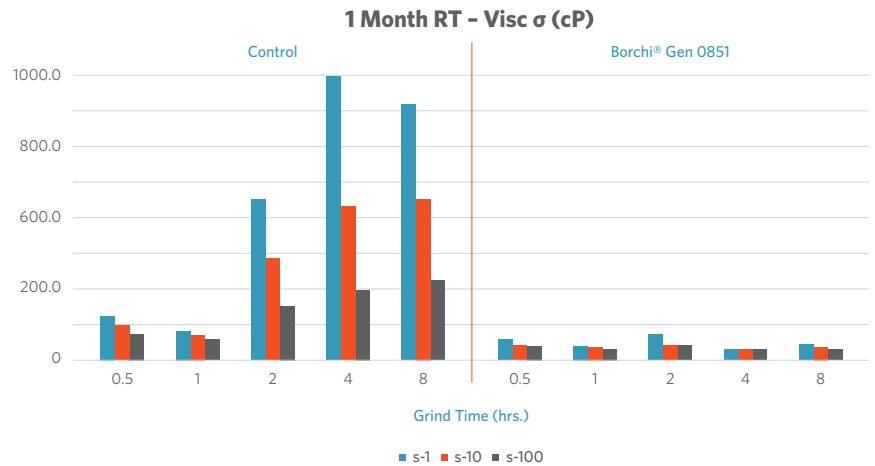


Control

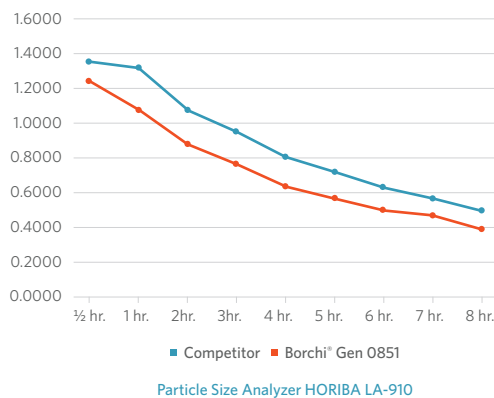


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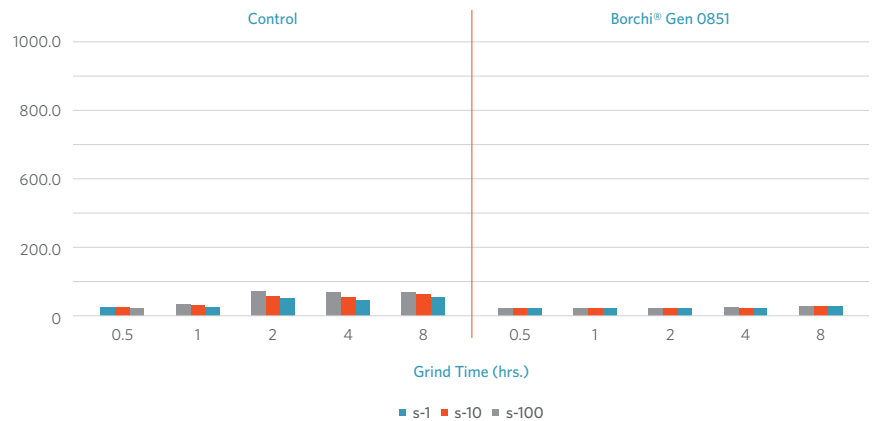
**30% Pigment Concentrate**  
Stable Viscosity Indicates a Quality Dispersion



**Novel Dispersant Achieves  
Finer Particle Size Faster with PR 179**  
Mean Particle Size ( $\mu\text{m}$ ) vs Grind Time



**Initial Visc  $\sigma$  (cP)**



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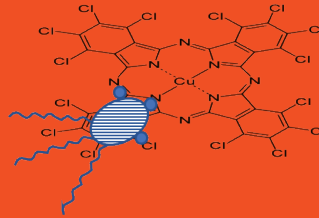
High Jetness in Water-Based  
Automotive Basecoats



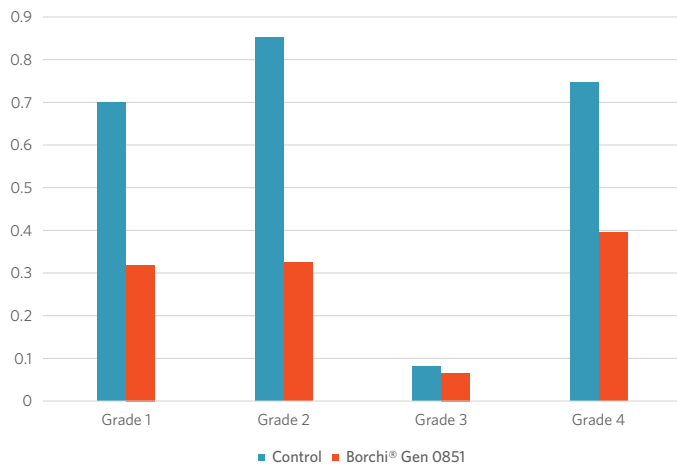
- Shorter grind times
- Low grind viscosity
- High jetness
- Long term viscosity and color stability

### 3 Wetting Mechanisms:

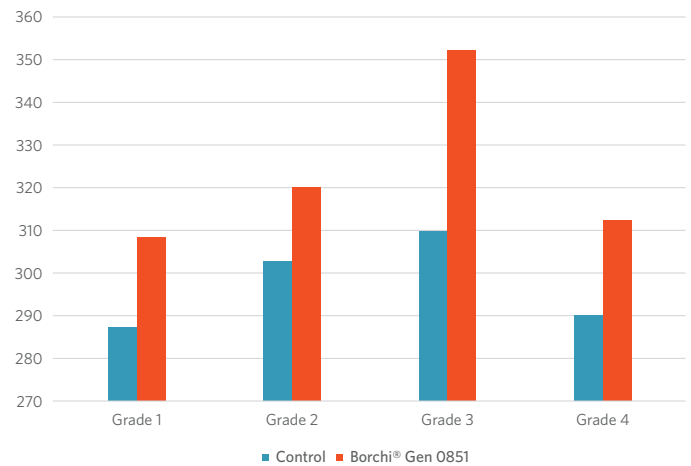
- Hydrogen Bonding
- Polarized Groups
- Electron rich body attracted to carbon black and organic pigments surface



Mean Particle Size (Microns) in 15% Conc



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



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

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

Order your sample at:  
[www.borchers.com](http://www.borchers.com)

1 (800) 321-9696  
[cust.service.us@borchers.com](mailto:cust.service.us@borchers.com)

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