Chromabond™ S-350
dye transfer inhibitor

Creating Laundry Detergents with Color-safe Label Claims

Keeping white garments white and colors their original shade can be accomplished with dye transfer inhibitor technology. Chromabond S-350 polymer binds to dyes removed from clothes during the wash cycle, virtually eliminating the ability of “free dyes” to redeposit on fabrics. Including Chromabond S-350 polymer at low use levels in laundry detergent enables manufacturers to add a color-safe claim on product labels.

Benefits of Chromabond S-350 polymer

- Built upon class leading PVNO technology functionality
- Stable in bleach containing detergents
- Maintains efficacy in presence of surfactants
- Broad pH use range
- Functions across wide range of dye types
- Effective at low use levels
- Non-hazardous polymer

Chromabond S-350 polymer Performance

Using a modified form of test method ASTM D-5548-95 with commercial laundry detergent, Chromabond S-350 polymer facilitates significant and numerical reductions in dye transfer compared to a control polymer and PVP K-30 polymer at 10 ppm.

Chromabond S-350 is the best performer at low dosage levels.

Raising the addition level to 20 ppm for all polymers tested, Chromabond S-350 polymer offers a higher level of dye transfer inhibitor efficiency.

Chromabond S-350 is the stand-out performer at high dosage levels.

Chromabond S-350 Dose Response

Increasing Chromabond S-350 polymer from 10 ppm to 20 ppm significantly improved dye transfer inhibitor efficiency for all dyes tested.
**pH Spectrum of Chromabond S-350 polymer**

Some polymers with dye transfer inhibitor functionality may be limited by the pH range of the wash liquids. Chromabond S-350 polymer performs well across a larger pH spectrum than other polymers that may be used in color-safe laundry detergents.

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**Create Color-safe Laundry Detergent with Confidence**

Formulators of laundry detergent may use Chromabond S-350 polymer to create color-safe laundry detergent with ease and efficiency. Including the polymer at very low use levels, from 0.3 – to 0.6%, generally affords manufacturers the ability to make color-safe label claims. Even in the presence of hard water conditions, and elevated temperatures, Chromabond S-350 polymer is demonstrated to function properly in use. For samples, or to arrange assistance in formulating color-safe products with Chromabond S-350 polymer, contact your Ashland representative. For more information visit Ashland at Ashland.com/homecare.