

Sustainable Materials for Packaging

Corporate Initiatives and Packaging Offerings from DuPont



Goals for Reducing the Footprint of DuPont

- Reduce Greenhouse Gas Emissions another 15%
- Water Conservation 30%
- Fleet Fuel Efficiency
- Reduce Air Carcinogens emissions another 50% (already reduced 92% since 1990)
- Independent Verification

www.sustainablepackaging.dupont.com

www.scienceoffresh.dupont.com



The miracles of science™

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7R's of Sustainability in Packaging

- Remove Packaging
- Reduce Packaging
- Reuse Packaging
- Renew(able) Packaging
- Recycle(able) Packaging
- Revenue
- Read

DuPont Packaging Initiatives for Sustainable Solutions

■ Remove Packaging



DuPont™ Surlyn® EasyUp — strong but easy-to-tear bundling film that replaces cardboard



DuPont™ Elvanol® polyvinyl alcohol — water soluble material for dissolvable films or repulpable coating on paper board

■ Reduce Packaging



DuPont™ Biomax® Strong modifier — modifier that enables thinner, less brittle PLA packages



DuPont™ Surlyn® skin and stretch packaging resins — secure packaging film that can replace bulky clamshells and blisters



DuPont™ Surlyn® super stiff resins — allows downgauging with same strength, performance, and feel



DuPont™ Cyrel® FAST — flexographic platemaking process that reduces energy consumption, eliminates use of solvents, and offers lower GHG emissions



DuPont™ Appeel® sealant resin — sealant for lidding applications that replaces solvent based lacquers and provides strong, peelable seals

■ Renew(able) Packaging



DuPont™ Sorona® 3GT polymer — partially renewably sourced material with polyester-like performance



DuPont™ Selar® VP — breathable, 30% renewably sourced material



DuPont™ Biomax® compostable resin — compostable PET



DuPont™ Pro-Cote® soy polymers — protein-based binder for coatings and inks

■ Recycle(able) Packaging



DuPont™ Fusabond® compatibilizers — additive to allow incompatible waste streams to be recycled together

■ Enablers



DuPont™ Mylar® ECO films — lidding film solutions for renewable containers