

A high-angle, top-down view of a curved wooden deck. The deck is made of dark brown wood and features a matching wooden railing with vertical balusters. The railing is topped with a light-colored wooden cap. The deck is furnished with several colorful pillows: yellow, green, orange with a floral pattern, and red with a white floral pattern. There are also several potted plants, including a large one with red flowers and a smaller one with green foliage. The deck is set against a plain white background.

Trex Recycling COG Recycling Committee

July 16, 2020

Founded on Recycling Principles



- Founded in 1996, as the first company to combine the durability of recycled plastic with the natural beauty of reclaimed wood to create in a high-performance decking product
- Largest domestic recycler of polyethylene film and packaging
- Over 25 years experience of PE recycling
- Recycle over 200 million pound per year for the past 15 years



Products: Trex Decking



Trex Decking

- Decking boards are made of 50% recycled PE film and 50% wood bi-product
- Trex has 4 decking lines and 18 decking colors
- Two manufacturing plants: Virginia and Nevada
- Sold in U.S. and 43 countries



Decking: Green Ingredients



Trex decking boards are made post consumer recycled polyethylene film/packaging and bi-product scrap sawdust

- Sawdust procured from flooring and cabinet manufacturers
- Polyethylene film purchased from various commercial and community resources
- Trex recycles 200 million pounds of sawdust and polyethylene film each year



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Production of Decking



PRODUCTION PROCESS



1
SAWDUST AND
PLASTIC FILM ARE
PURCHASED



2
PLASTIC FILM IS
CLEANED AND
GROUND INTO
GRANULES



3
PLASTIC FILM AND
SAWDUST ARE
COMBINED AND
HEATED



4
MIXTURE IS MIXED TO
A SOFT, PLIABLE
CONSISTENCY



5
MIXTURE IS FORMED
INTO BOARDS USING
PROFILE DIES



6
BOARDS ARE COOLED
AND CUT TO LENGTH



7
BOARDS ARE
INSPECTED BY
QUALITY CONTROL
FOR DEFECTS,
STRENGTH AND
COLOR ACCURACY



8
FINISHED BOARDS
ARE WRAPPED AND
SHIPPED



Commercial Polyethylene Film Recycling Streams



Post Commercial

- All current distribution, manufacturing, retail, and grocery polyethylene film mix (labels, foam, bubble wrap, tape)
- All 100% polyethylene scrap (loose film, bales, purge, all colors)



Post Consumer

- All scrap collected via polyethylene specific “at-store” collection programs (retail, grocery, other)



Commercial Recycling Benefits



- Audit plastic film generation
- Trex pays a fair market price for your baled material
- Trex will pick up your baled material (minimum of 2 truckloads per year)
- Provide a road-worthy trailer for high volume suppliers



MADE
IN THE USA
★★★★★

Community Outreach and Litter Prevention



Promote Plastic Film and Packaging Recycling



Communicate – Who can promote the recycling of plastic film & bag?

- Recyclers
- Film and Bag Manufacturers
- Retailers
- Schools
- Recycling Coordinators
- Municipalities
- Trade Associations
- Environmental Groups
- Legislators
- General Public



Collect - Where can we collect and capture bags & films for recycling?

- Grocers
- Retailers / Shopping Centers
- Schools
- Offices
- Municipal Recycling Centers

Consolidate – What are the best locations for bag & film recycling consolidation?

- Distribution Centers
- Recyclers
- Municipal Consolidation Programs



School Film Recycling Challenge: Educate the Next Generation



- The school recycling program began in 2006
- The objective of the 'Challenge' is to:
 - Educate students on the importance of recycling
 - Keep plastic out of the landfills
- Over 700 schools participate across the US
- 128 Schools participated in Virginia
 - Recycled 63,206 pounds
 - Average school recycled 493 pounds



Bench awarded to winning schools



Plastic Film Recycling Challenge



- The 'Challenge' begins on America Recycles Day (Nov 15) and ends on Earth Day (April 15)
- Schools competitions to collect plastic bags and packaging to recycle
- Trex provides schools with recycling bins, a poster and magnets
- The winning schools are awarded a bench made from Trex and each participating school receives a planter box
- 700+ schools participated nationwide



Example of magnet and poster provided to schools





1 How does the challenge work?

Schools compete against other schools in their category to collect the most plastic film.

A school volunteer weighs and keeps record of the amount of

film recycled each month. (On average a 30-gallon trash bag will hold about 600 plastic bags and weigh 6 lbs.)

A school volunteer takes the collected plastic to a

participating retailer (see list) for recycling.

Report collection amounts monthly to: my.trex.com

What can be recycled?

All plastic must be clean, dry and free of food residue



Elementary schools compete by state and student enrollment

- Great Plains Region: IA, IL, IN, KS, MI, MN, MO, ND, NE, SD, WI
- Mid-Atlantic Region: DC, DE, KY, MD, OH, VA, WV
- Northeast Region: CT, MA, ME, NH, NJ, NY, PA, RI, VT
- Southeast Region: AL, FL, GA, MS, NC, SC, TN
- Southwest Region: AR, LA, NM, OK, TX
- Northwest Region: CO, ID, MT, OR, WA, WY
- West Coast Region: AZ, CA, NV, UT

Enrollment:

- 0-350 • 351-500 • 501-600 • 601-800 • 801-1100 • < 1101

Middle and high schools compete nationally (no regions)

Middle school and high school enrollment categories:

- 0-500 • 501-800 • 801-1000
- 1001-1500 • <1501

2 What does Trex provide?

- Three recycling bins
- Magnets for each student
- One poster
- Award

3 Awards

- First-place winners receive a Trex bench.
- Each school receives a participation award made from Trex materials.



Participating Retailers

VIRGINIA Participating Retailers

- Food City
- Food Lion
- Giant
- Harris Teeter
- Home Depot
- Kohl's
- Kroger
- Martins
- Shop 'n Save
- Safeway
- Sprouts Farmers Market
- Wegmans
- Weis

Nationwide list and school challenge info available at:

<https://www.trex.com/recycling/recycling-programs/>

A curved wooden deck with a railing, decorated with colorful pillows and potted plants. The deck is made of dark brown wood and has a matching wooden railing with vertical slats. There are several potted plants with red flowers and green foliage. The deck is surrounded by a white background.

Questions

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