PBAC Task Force to Address Damaged Vinyl

Identified Issues Causing Damaged Vinyl

Materials used for shipping boxes at times not adequate

Weight of carton at times not adequate

No Industry-wide set of standards or best practices

Task Force Findings

Materials used for shipping boxes at times not adequate

- · Shipping boxes need varying material standards based on use
 - Direct to Consumer
 - Inner shipment boxes
 - · Outer shipment boxes
 - Void fill material isn't standard mostly inadequate amount used
- Reused inner boxes as outer boxes
- Reused cartons cause issues
- No buffers used
- · Gage of cardboard is too low
- Regular slot containers
- Heavy boxes combined with low gage cardboard

Weight of carton at times not adequate

- Per carton type piece count standards are needed
- Weight /unit limit needed

No Industry-wide set of standards or best practices

- No standardized ECT (Edge Crush Test) recommendations for inner/outer packaging
- No standardized piece count recommendations for varying ECT numbers
- No Best Practices range from very specific to general
 - · Materials used for boxes and fill
 - Tape used to seal cartons
 - · Guidelines in handling and packing of vinyl
 - · Identifying damaged goods and not shipping them out
 - Packing
 - Sealing tape
 - Stacking in box
 - Palletizing and stacking of pallets

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Task Force Recommendations

Materials used for shipping boxes

- Ideal standard outer shippers of 44+ ECT
 - Standard outer shippers of 32 ECT are not sufficient
- Ideal standard inner shipper of 32 ECT
- CDF carton shipping limit to 3 units
- · No reused cartons
- Tape to seal the cartons to be approximately 3 inches wide and 72MMX100M

Amount of Weight/Units per carton

- Outer shipper of 44+ ECT max units of 40 or 40 pounds
- Inner shipper of 32 ECT max units of 10
- CDF shipping max 3 units per pizza box

Design of Boxes

- Full Overlap needed
- Buffer in design

Industry-wide set of standards or best practices

- Standardize ECT (Edge Crush Test) recommendations for inner/outer packaging
- Standardized piece count recommendations for varying ECT numbers
- Best Practices range from very specific to general
 - Materials used for boxes and fill
 - Tape used to seal cartons
 - · Human direction in handling and packing of vinyl

Best Practices for packing of vinyl in boxes

- · Void Filler should be used until there is no movement of units inside of box when sealed
- Product should not be placed in with all spines facing one direction
- Tape to seal the cartons to be approximately 3 inches wide and 72MMX100M
 - Tape should be used directly on cardboard
 - Tape should be placed across the box in both directions forming an + as well as a sealing of the top when not using an automated process
- Product to be placed in boxes should not exceed weight or unit count recommendations
 - When placing product with gatefold or uneven thickness place ½ of product in one direction and the other ½ in the other direction resulting in a flat surface on top of full box
 - Do not overfill or under fill a box
 - Top should close snuggly while not pushing in on vinyl
- Pallets should not be stacked
 - Uniform boxes will allow for better stacking on the pallets

PBAC Task Force

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