

Packaging Recommendations

The following recommendations are intended to ensure that products travel from factory of manufacture, through our distribution centers, and to the customer with minimal damage. Contact packaging@familydollar.com for packaging specific questions.

1. Since Family Dollar Distribution Centers utilize conveyor systems, the following outlines Family Dollar's carton requirements. If a carton does not meet the requirements listed below, packaging must be approved by Family Dollar prior to production. Please contact the appropriate Buyer and they will work with the Packaging Department to obtain approval for the packaging or to provide additional requirements.
2. The following rules allow a carton to be conveyable.

Dimension	Minimum	Maximum
Length	9 inches	36 inches
Width	6 inches	24 inches
Height	4 inches	24 inches
Weight	3 lbs.	50 lbs.

rule	value	rule description
max 1 side	36	1 side can not be greater than 36 inches
max 2 sides	24	can not have 2 sides greater than 24" on each side
max shape	8	1 side can not be greater than 8 times the length of any other side
max weight	44	weight can not exceed 44 LBS (repack can not exceed 50 LBS)
min girth	19	the sum of length + height + width must be at least 19 inches
min side	4	no side can be less than 4 inches
min weight	3	must be at least 3 LBS

3. Products that are stored in Re-Pack shall be configured in a way to maximize pallet and container space yet be less than 50 LBS. Under no circumstances may product case weight exceed 50 lbs.
4. Each like item should be packaged in the same size carton.
5. All merchandise shall be shipped in the pack and assortments (size and color) of the Style/SKU number specified on the Family Dollar Purchase Order.
6. All merchandise shall be shipped in the Master and Inner pack as specified on the Family Dollar Purchase Order.
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10. All merchandise shall be shipped in the Master and Inner pack as specified on the Family Dollar Purchase Order.

11. The exterior packaging shall be of sufficient strength to withstand the stress and pressure exerted by the weight of the contents in each package. The packaging must be able to withstand the stress of a conveyor system and transit. Crushed or damaged cartons cannot be processed through the conveyor system. The following table will show industry standards related to single wall corrugated cardboard.

Maximum Gross Weight	Bursting Test	Flute Size	Minimum Edge Crush Test
10 lbs	150 lbs/inch	E,B, or C	26 linear foot lbs/inch (ECT)
20 lbs	175 lbs/inch	B or C	29 linear foot lbs/inch (ECT)
35 lbs	200 lbs/inch	C	32 linear foot lbs/inch (ECT)
50 lbs	250 lbs/inch	B/C Double Wall	44 linear foot lbs/inch (ECT)

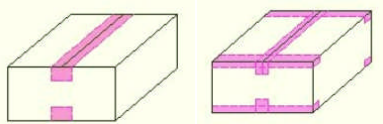
Carton Sealing

- Flaps shall be taped or glued to keep the cartons tightly closed. Multiple cartons may not be glued, strapped, or taped together. Strapping for individual cartons or master packs is highly discouraged. Sharp edges are not to be exposed on metal tabs securing the straps.

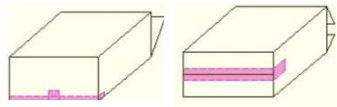
Carton Taping

1. Tape must be at least 2 inches in width and have sufficient holding power to fiberboard to ensure a secure seal.
2. Tape thickness must be at least 2 mils.
3. Tape must be centered on the seal and extend down each side at least 2 inches.
4. Full taping of all flaps, seams, and seals is acceptable if all other recommendations are met.
5. Examples of recommended taping styles

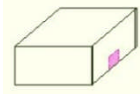
RSC Style Carton



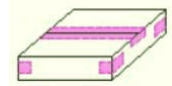
End Load Cartons



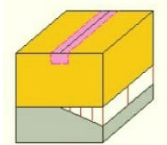
Rolled End Tray



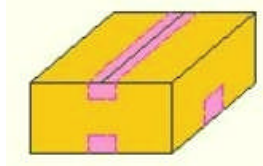
1 Piece Folder



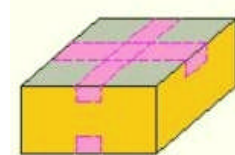
***Acceptable shipping carton tape applications for top loaded PDQ displays. (Double Tape Bottom)**



Carton



Top View



Bottom View

Floor Ready Apparel Requirements:

1. Inner packs must be in a poly bag and rubber banded.
2. Garments should lay lengthwise and flat in the carton with the front side facing up.
3. Please contact packaging@familydollar.com for specific requirements on hangers, sizers, foam strips, hangtags, and recommended approved hanger and trim suppliers, etc.
4. Failure to use approved Hanger or Trim suppliers may result in expense re-imbusement fees for artwork approval or returned product/charge backs for out-of-spec trim.

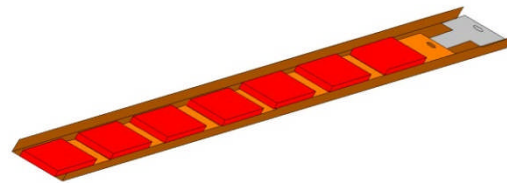
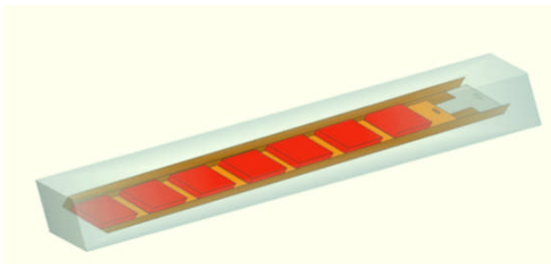
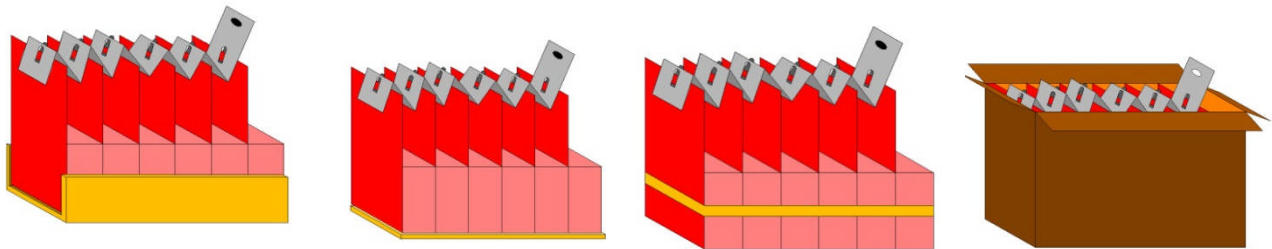
Plastic/Poly Bag Over-packaging and Garment Bag Requirements:

1. Plastic Bag Warning Statement (Required)
 - a. Plastic bags with a thickness of less than 1 mil, in which a diameter is 5 inches or greater (when formed into a circle) used as packaging or packaging article for domestic/household use (e.g. laundry bag, garbage bag) shall contain a warning statement similar to below on both sides of each bag in English:
 - b. **WARNING: To avoid danger of suffocation, keep this bag away from babies and children. Do not use in cribs, beds, carriages or playpens. This bag is not a toy.**
 - c. The warnings shall be printed clearly as to prevent the ink from smearing or upon a gummed label securely attached to the bag. It shall be contrasted by typography, layout or color from the contents of the bag and from other printed matter on the bag, if any.
 - d. If the total length and width of the bag is more than 40 inches, the warning shall be repeated at 20 inches intervals.
 - e. Except laundry bag, the font size of the warning must adhere to the chart listed below:
 - f. This standard applies to all poly bags or plastic bags that are used to contain, bundle, or protect products.

Total Length and Width of Bag	Size of Print
60 inches or more	At least 24 points
40 inches or more	At least 18 Points
25 Inches or more	At least 14 Points
Less than 25 inches	At least 10 Points
All Laundry Bags	At least 36 Points

Clip Strip Program Requirements

1. *Maximum Width - 5.00” Minimum Width – 1.375” Maximum Loaded Length – 36”*
2. *Clip strips must be made from a single piece of plastic material.*
3. *Clip strips must be at least 18 gauge, 18 mil, or .018” in thickness.*
4. *Tag hole must be at least .1875” dia.*
5. *Peg hooks are not acceptable*
6. *If S-Hook is required it must be pre-installed through header hole.*
7. *Family Dollar Stores, Inc. reserves the right to make changes to these requirements or request different requirements based on category or store location.*
8. *All products must be pre-applied.*
9. *Product must stay on clip strip throughout the distribution cycle.*
10. *Clip strips must be packaged individually.*
11. *Banding, shrink wrap, bagging, corrugated or paperboard cartons, sleeves, and tubes are acceptable.*
12. *Shipping packaging must meet all standard Family Dollar Stores, Inc. strength, style, and design requirements.*
13. *Single deal packs must ship in a separate corrugated carton.*
14. *Poly bags that are used to contain clipstrips must follow the “[Plastic/Poly Bag / Garment Bag \(marking\) Requirements](#)” found under the Floor Ready Apparel Requirements.*
15. *The following are just examples but are acceptable ways to package clip strips in repack cartons.*



PDQ/ Display Trays

Family Dollar does encourage our vendors to use PDQ trays in “ready to sell” packaging that can be easily handled by our stores. The following specs are provided for guidance however, please contact our Buyer for approval prior to production.

- 1. Stadium Style (taller back wall) display trays are recommended.*
- 2. Trays must be securely taped to lids.*
- 3. Rollover construction (no unfinished, raw corrugated edges).*
- 4. UV (Glossy) coating preferred.*
- 5. B, C, or E flute corrugate is acceptable. Paperboard or cardboard is not acceptable.*

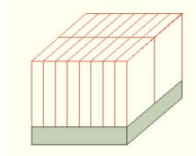
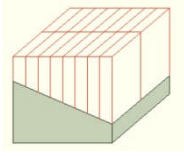
<i>Maximum Gross Weight</i>	<i>Bursting Test</i>	<i>Flute Size</i>	<i>Minimum Edge Crush Test</i>
<i>10 lbs</i>	<i>150 lbs/inch</i>	<i>E,B, or C</i>	<i>26 linear foot lbs/inch (ECT)</i>
<i>20 lbs</i>	<i>175 lbs/inch</i>	<i>B or C</i>	<i>29 linear foot lbs/inch (ECT)</i>
<i>35 lbs</i>	<i>200 lbs/inch</i>	<i>C</i>	<i>32 linear foot lbs/inch (ECT)</i>
<i>50 lbs</i>	<i>250 lbs/inch</i>	<i>C</i>	<i>44 linear foot lbs/inch (ECT)</i>

6. Ideal measurements:

<i>Front Height Measurements</i>	<i>Depth Measurements (Store Locations)</i>	<i>Width Measurements</i>	<i>Back Height Measurements</i>
<i>1", 2", or 4" as needed per items in PDQ</i>	<i>7.5" or 15" (Gondola) 9.5" or 19" (Side Walls) 11" or 22" (Back Walls)</i>	<i>4"to 24" as needed per items in PDQ</i>	<i>1" to 12" as needed per items in PDQ</i>

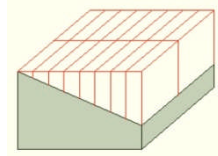
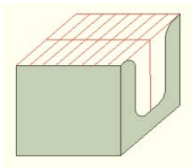
Display Shipping Carton Recommendations

1. Display or PDQ tray is shorter than Product



WT*	**Linear In.	Use Style
Up to 10 Lb	Under 48 In.	HSC
10 to 15 Lb	Over 48 In.	Endload
15 to 50 Lb	Over 48 In.	FOL Endload

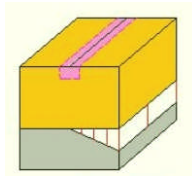
2. Display or PDQ Tray is greater or equal to the height of the product



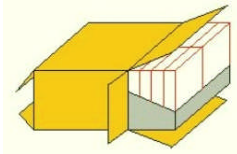
WT*	**Linear In.	Use Style
Up to 10 Lb	Under 64 In.	HSC
10 to 20 Lb	Over 64 In.	Endload
20 to 50 Lb	Over 64 In.	FOL Endload

** Linear Inches is calculated by adding the length of the 4 bottom sides together.

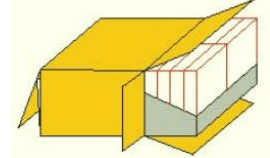
HSC Top Load Carton



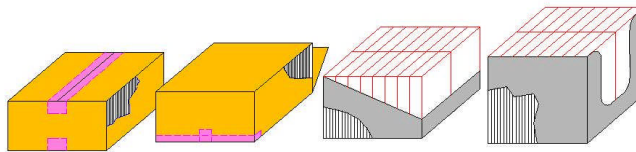
Endload Carton



Full OverLap Carton

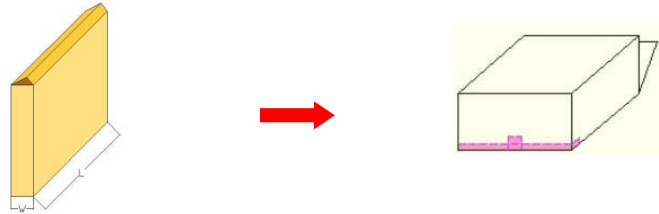


Corrugated direction must be vertical to the display orientation.



Fragile Packaging Recommendations

1. *These recommendations are intended to aid in selection of fragile item packaging.*
2. *These recommendations cover but are not limited to items containing glass, stoneware, porcelain, Polyresin, candles, glassware, mirrors and lightly bound construction material.*
3. *32 ECT (Edgewise Crush Test Value) is the minimum corrugated strength for Fragile Items.*
4. *Cartons with “Length” L greater than 3 times the “Width,” W should have Full OverLap closures. (Orientation of carton may stay the same.)*



5. *Special packaging requests by Family Dollar Stores, Inc. may be tendered.*
6. *Special effort by the product and packaging supplier should be made to fill all voids with a protective packaging material.*
 - a. *Family Dollar Stores, Inc. prefers a recyclable material made from paper.*
7. *Each item must be separated from adjacent items by a shipping filler or packaging.*
8. *Cartons must be marked on 4 sides with Up-Arrows with the words “Fragile” below them.*
 - a. *These arrows should be at least 25% of the height of the panel.*
 - b. *If the carton contains glass “Caution Glass” should be marked on the carton in font at least 36 PT – Text can be stacked.*

CAUTION GLASS

9. *A 4 side drop test (the carton is dropped once on each of its 4 “sides.”*
 - a. *Drop height:*

Weight	Drop Height
2lbs. To 20.99 lbs	30 in.
21lbs to 40.99 lbs	24 in.
41lbs to 50.00 lbs	18 in.

- b. *If any slight crush is found on the carton, it will not be counted as defective. The Carton Drop Test result is passed.*
- c. *If the carton has serious or open seams, a remark is reported on the report and inspection result is placed on hold.*
- d. *If the product comes out of the carton damaged and/or malfunctioning is found during the Carton Drop Test, the inspection result is failed.*

Carton Marking Requirements

Failure to meet these requirements may result in product refusal, merchandise returned to vendor, and/or noncompliance fines.

General Carton Marking Requirements:

All cartons regardless of origin must adhere to the following Master/Shippable Inner Marking requirements:

1. Cartons containing liquids should be labeled with UP - **Arrows**, *on two sides*, **in BOLD**, identifying proper carton placement.
2. Cartons containing fragile or breakable product should be labeled with arrows identifying proper carton placement and should have “**FRAGILE**” stamped on two sides of the carton in **BOLD** print.
3. Cartons containing seasonal product must be marked with Day-Glo stickers according to the season. (ie: Halloween Merchandise Rush to Sales Floor”)

Season	Color	Season	Color
Easter	PURPLE	Halloween	ORANGE
Valentines Day	RED	Christmas	RED
Back-to-School	YELLOW		

4. Cartons containing Flammable and/or Aerosol product should be clearly marked on the carton per applicable legal requirements. To determine the appropriate hazardous material label, Vendors may reference Family Dollar and contact RSpaulding@ercweb.com
5. If using a bar code on the corrugate, it must not mimic FDS scan code. We create our own carton labels using a “Interleaved 2 of 5” bar code type, 10 digit and 8 digit. This applies to all of our distribution centers.

Import Carton Marking Requirements: (L/C or O/A)

Suppliers shipping product directly from a facility outside the United States with a Letter of Credit (L/C) or Open Account (O/A) Purchase Order from Family Dollar, must adhere to the Import Master/Shippable Inner Carton Marking requirements listed on the following pages. Slight adjustments to the placement of the information may be necessary to fit all the required data on smaller cartons.

CARTON MARKING GLOSSARY:

STYLE NO. : Suppliers Product Number or Model Number

DEPT. NO.: The Family Dollar department in which the product will be sold

MADE IN: The country in which the product was actually manufactured.

CARTON NO. ____ of ____: Each carton should be individually numbered for the total order quantity on the Purchase Order.

SELLING UNIT UPC NO.: The actual UPC that is placed on the retail item to be sold.

FDS ORDER NO.: The Family Dollar purchase order number

FDS SKU NO.: The Family Dollar assigned SKU number for the product

DESCRIPTION: Accurate description of the retail unit

TOTAL MASTER CARTON QTY. ____ PCS: The total number of retail units inside the Master Carton.

INNER-PACK QTY ____PCS: The number of retail units inside the inner shippable carton. (ie: If the total number of retail units in a Master Carton is 144 and there are 6 shippable inner cartons with 24 selling units inside the inner shippable cartons, it should read INNER-PACK QTY 24 PCS

TOTAL INNER-PACKS: The number of shippable inner cartons inside the Master Carton.

NET WT _____LBS: The total weight of the product less carton packaging.

GROSS WT _____LBS: The total weight of the carton. Including the packaging.

MEASURE _____IN: The measurement of the carton. (ie: L16in * W24in * H36in)

CUBE _____CFT: The cubic foot of the carton. (ie: L16in * W24in * H36in divided by 1728)

COLOR: Applicable if the product is shipped in different color combinations no matter if the additional colors are shipped under a different Family Dollar SKU number. If the carton contains several color combinations, the COLOR on the case should read ASSORTED. If the product is shipped in only one color, this field is not required.