



**SOMETIMES
YOU HAVE TO
THINK INSIDE
THE BOX**

Product / Sales Training

Content:

- **Information Product Specification sheet**
- **UN / ADR**
- **Applications (Marketing Videos)**
- **USP (Unique Selling Points)**

PRODUCT SPECIFICATION

Item number:
QQB1010

Description: Cheertainer 10 L SB Push in QST 8

Film structure

Film OTR: Typically 50 cm³/m²/24h***
*** ASTM D3985-05 23 +/-2°C, 50 +/-5%RH

	Outside
OPA (15µm)	
LLDPE (55µm)	
LLDPE (80µm)	

Bag dimensions (in mm)

Length (l):	440
Width (w):	230
Spout f. left side (ls):	CC
Spout f. top seal (t):	55
Gusset (g):	105
Tap orientation:	No
Single bag:	Yes
Webbed bag:	No
Machine direction:	N/A



Tolerance on all dimensions: +/- 5 mm

Fitment: VG1004 + VT1024

Component	Material	Colour
Spout		Nature
Tap		Nature

Packaging

Type:	Box 12 / pallet
Quantity:	250 bags/box
Weight:	300 kg/pallet
Dimensions:	1200 x 800 x 2300 mm

Attentions

Various / Food Contact / Storage / Using

Food Contact: We refer to our document, Food Stuff Contact - Declaration of Conformity

Storage: Empty Bags have to be stored at room temperature, in clean, dry and dust free conditions, packed in closed original carton. Keep bags away from poisonous articles, heat source, smelling products and direct sun. The optimal conditions of storage are between 15-25°C, and 40-60% of relative humidity. Unfilled empty bags can be stored during a short period at +4°C minimum and +40°C maximum, but have to be stored in indoor temperature for 24 to 48 h before use.

Using period: Bags will be suitable for use up to 24 months from the date of delivery, if storage and warehousing conditions, as per our recommendations above have been respected.

Hereby I approve this specification. Date _____ Signature _____ Company Name _____ 3

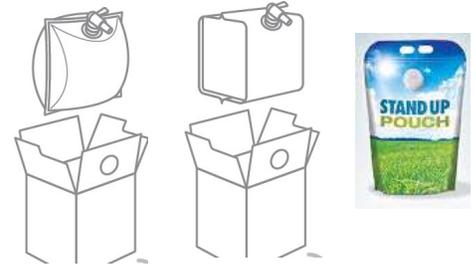
PRODUCT SPECIFICATION

Item number:
QQB1010

Description: Cheertainer 10 L SB Push in QST 8

ITEM NUMBER:

QPB = Quadpak Pillow Bag
QQB = Quadbag/Cheertainer
QSP = Stand up Pouch
QTP = Triangle Bag



Sequence number random from business system

Description:

- Product type, Size Liter, Film barrier, Fitment, other; UN, Webb

NB = No Barrier

SB = Standard Barrier

HB = High Barrier

HF = Red gland  Hot fill and more chemical resistant

Fitment name / description

UN -product part of UN pack

Webbed, bags fully auto filling Machines

QUADPAK'S PRODUCTS

QPB = Quadpak Pillow Bag
 QQB = Quadbag/Cheertainer
 QSP = Stand up Pouch
 QTP = Triangle Bag

	Liter / Size	Barrier	Fitment	
QQB 	3-60 L	SB or HB	All	Webb or Single
QQB UN 	3, 5, 10,15, 20, 25 L	NB, SB or HB	All	Webb or Single
QPB 	1-200 L	NB, SB or HB	All	Webb or Single
QSP 	1-6 L	SB or HB	All (not 61, 63 mm)	Webb or Single
QTP 	1,5-2,5 kg	NB, SB or HB	All	Webb or Single

Film structure

Film OTR: N/A

BLUE LLDPE (80µm)



NB = No Barrier

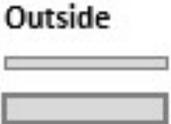
Thickness single layer
= Total film 80 µ

Film structure

Film OTR: Typically 50 cm³/m²/24h***

*** ASTM D3985-05 23 +/-2°C, 50 +/-5%RH

OPA (15µm)
LLDPE (55µm)



LLDPE (80µm)



SB = Standard Barrier

Outer layer 60 µ + Inner layer 80 µ
= Total film 150 µ

Film structure

Film OTR: Typically 1,2 cm³/m²/24h***

*** ASTM D3985-05 23 +/-2°C, 50 +/-5 % RH

OPA (15µm)
LLDPE (55µm)



LLDPE (44 µm)
PA (3 µm)
EVOH (6µm)
PA (3 µm)
LLDPE (44 µm)



HB = High Barrier

Outer layer 70 µ + Inner layer 100 µ
= Total film 170 µ

MATERIAL GUIDE - APPLICATIONS

Materials commonly used for liquids	Thickness	Oxygen permeability CC/m ² /24h (@ 25 degrees and 50 RH)
Polyethylene	50	5000
Uncoated polyester	12	100
Orientated Nylon	15	50
Metallised polyester	12	1,2
EVOH co-extrusion	9	0,7

APPLICATIONS

Low Barrier	LLDPE Uncoated polyester	<ul style="list-style-type: none"> • Preservative • Vinegar (pickled products) • Detergents, • Chemicals • Ink • Milk • Short shelflife products
Medium Barrier	OPA	<ul style="list-style-type: none"> • Preservative • Sauces • Salad dressing • Juice concentrates • High sugar content • Alcohol • Oil (edible) • Oil (motors)
High Barrier	Metallised Polyester EVOH co-ex	<ul style="list-style-type: none"> • Aseptic option • No preservative • Wine • Dairy • Fruit / pulp • Egg

Fitment

HOSE CONNECTING FITMENT / BAR FITMENT

APPLICATION:

- Post mix syrup, Juice concentrate, soft drinks
- Chemicals and Detergents with dispensing systems



Quick coupler + barside connector



VT1018

+



VT1020

CPC valve + connector



VT1022

+



VT1048/VT1056

CMB valve + connector



VT1030

+



VT1058/VT1059

Typical bar fitments for juice,
Post mix syrup dispensers



Q51

VT1040



Scholle 1900

VT1038

SCREW CAPS

APPLICATION:

- Replacing plastic containers / jerry cans - customer wants to pour out the product
- Common and simple solution gland and screw cap
- Available with temper evident push in and ring pull tear off protection, and vented screw cap option (degassing)



Screw caps - requiring filling machine can unscrew the cap before filling

Screw cap 38 mm - SC white



VT1032

Screw cap 38 mm - SC white
Temper evident



VT1033

Screw cap 63 mm – SC white



VT1002

Screw cap 61 mm - (suitable for Cubitainer/Politainer market)



SCREW CAPS

Push in Screw caps easy handled by filling machines

Push in Screw cap 32 mm transparent (ring pull temper evident)



VT1019

Push in Screw cap 38 mm - Transparent (ring pull temper evident)



VT1026

Push in Screw cap 38 mm - Orange (ring pull temper evident)



VT1031

Push in Screw cap 38 mm - Blue (ring pull temper evident)



VT1028

Push in Screw cap 38 mm - Red (ring pull temper evident)



VT1027

Screw cap 38 mm Vented cap (degassing)



VT1062



TAPS

APPLICATION:

- Wine, edible oils, soya sauce, vinegar
- Differs between constantly open or push for flow
- Typical markets include beverage, liquid food, household and chemicals



Black Wing Tap

VT1041



Viniflow

VT1064



Vi top Original

VT1006



Backbar

VT1014



Horizontal Twist Tap

VT1013



Vertical Twist Tap

VT1012

Quick Serve Taps = QST



QST 8 mm Push in

VT1024



QST 8 mm Screw Cap

VT1025



QST 18 mm Jumbo Screw Cap

VT1023

APPLICATION:

FITMENT WITH HOSE

- Dairy, Milk and Juice Dispensers (hotel)

White Hose 190 mm (diameter 8 mm)



White Hose 190 mm (diameter 7 mm)



APPLICATION:

SIMPLE SOLUTIONS

- Customer want to empty and throw away at once
- Not resealable, tight and no leak when upside down
- Often highly viscous products, mayonnaise, dressing, custard, ice cream, cream, etc

Yellow Pouring Spout Cap



Gland and bung



Flat Cap



SPECIAL SOLUTIONS

APPLICATION:

- Special fitment for specific applications
- Oil, lubricants, fuel, diesel, adblue



Maxiflow True seal tap



VT1060



FunLpro pull out hose fitment



VT1065



Integrated Oil Tap – Maxiflow True Seal tap

Special Oil tap, with Tru-Seal to assure no leakage or dripping, compact tap, easy to push in to the Cheertainer gland/neck. Can be handled by filling machines (Technibag)



Tru-Seal Maxi Flow



VT1060

The Maxi Flow dispenser was designed to offer a more compact design than the standard maxi, but maintain the high flow characteristics. This product is suitable for the industrial chemical and food related liquid products with high viscosity

SPECIAL SOLUTIONS

APPLICATION:

- Solution for closed efficient system for detergents and cleaning chemicals



CPC valve + connector



VT1022

+



VT1048/VT1056

Efficient and closed (no-touch) system,
correct dosing, saves costs and the
environment



INLINE TOOLS



Search

Find A Distributor

Home > Products > Drum/Dispensing > UDC > 98500

Share with your network



CPC connector (98500)
VT 1056

UDC

3/8 HOSE BARB VALVED COUPLING BODY FDA EPDM O-RING (UDC) - NSF

Part #: 98500

REQUEST A QUOTE

- Material: Polypropylene
- Material Finish: Molded Grey
- Color: Gray
- Temp. Range: 32°F to 160°F (0°C to 71°C)
- Mounting: Free Floating
- Option:
- Seal Options: FDA EPDM
- Valve Spring: 316 Stainless Steel
- Valve Option: Valved

2D/3D/Datasheet

Chemical Compatibility



INLINE TOOLS

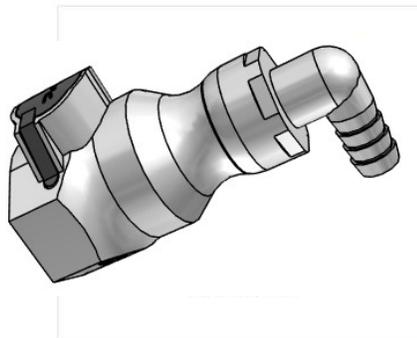


Search

Find A Distributor

Home > Products > Drum/Dispensing > UDC > 99400

Share with your network



CPC connector (99400)
VT1048

UDC

3/8 HOSE BARB VALVED ELBOW COUPLING BODY FDA EPDM O-RING (UDC) - NSF

Part #: 99400

REQUEST A QUOTE

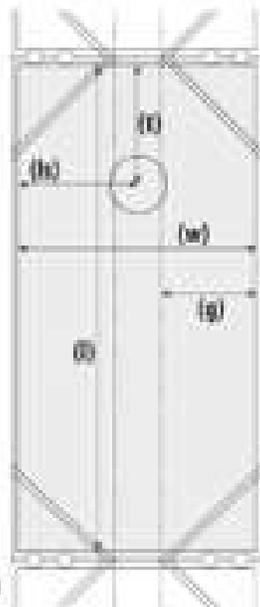
- Material: Polypropylene
- Material Finish: Molded Grey
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- Temp. Range: 32°F to 160°F (0°C to 71°C)
- Mounting: Free Floating
- Option:
- Seal Options: FDA EPDM
- Valve Spring: 316 Stainless Steel
- Valve Option: Valved

2D/3D/Datasheet

Chemical Compatibility

Bag dimensions (in mm)

Length (l):	440
Width (w):	230
Spout f. left side (ls):	CC
Spout f. top seal (t):	55
Gusset (g):	105
Tap orientation:	No
Single bag:	Yes
Webbed bag:	No
Machine direction:	N/A



Tolerance on all dimensions: +/- 5 mm



Packaging

Type: Box 12 / pallet
 Quantity: 225 bags/box
 Weight: 300 kg/pallet
 Dimensions: 1200 x 800 x 2400 mm

PACKAGING LIST

CHEERTAINERS

	Description	Pcs / box	Box / pallet	TOTAL pcs / pallet
	Cheertainer 3 L	350	12 boxes / pallet	4 200
	Cheertainer 5 L	300	12 boxes / pallet	3 600
	Cheertainer 10 L	250	12 boxes / pallet	3 000
	Cheertainer 15 L	250	12 boxes / pallet	3 000
	Cheertainer 20 L	225	12 boxes / pallet	2 700
	Cheertainer 25 L	200	12 boxes / pallet	2 400

Box size 785 x 585 x 335 (mm)

Pallet size 1200 x 800 x 2250 (mm)

PACKAGING LIST

UN BOXES

	Description	Boxes / pallet (pcs)
	Cheertainer 3 L	1 320
	Cheertainer 5 L	960
	Cheertainer 10 L	640
	Cheertainer 15 L	640
	Cheertainer 20 L	560
	Cheertainer 25 L	240

Pallet size 1000x1200

	Declaration of Conformity			Document no: FSC 1
	QA Department			
Approved by: Stellan Flensmo	Rev: 02	Valid from: 2 Jan 2015	Page 1 (2)	



Declaration of Conformity

Supplier Product Code	Description	Customer Product Code
QPB1043	CUST- Pillow Bag 20 L SB Multi 30 HD plug	
QPB1077	CUST- Pillow Bag 20 L SB Multi 30 plug	
QPB1067	CUST- Pillow Bag 02 L Multi 30 plug web	

Declaration of conformity Food Stuff Contact (FSC)

We guarantee that the products above, in their initial packaging and initial state, meet the following regulations for packaging materials in contact with foodstuffs:

- EU Directive 10/2011
- (EC) No 1935/2004 of the European Parliament and of the 27/10/2004 on materials and articles intended to come into contact with food. And (EC) 2023/2006 of the 22/12/2006 on good manufacturing practice for materials and articles intended to come into contact with foodstuffs.
- REGULATION (EC) No 2023/2006

The migration tests for the determination of specific and overall migration of packaging material in contact with foodstuffs are verified according to the following directives:

- EU Directive 82/711/CEE and amendments (Basic rules necessary to verify the migration)
- EU Directive 85/572/CEE (List of stimulants to use)

This declaration of conformity is based on the conformity documents made available by our suppliers and migration tests carried out by us or a third party.

Migration analysis during 10 days at 40°C with the following stimulants,

- Acid simulant: acetic acid at 3% in aqueous solution
- Alcoholic simulant: ethanol at 10% v/v in aqueous solution
- Fatty product simulant :oliveoil

The conformity is subject to the respect of storage, handling and using conditions described in our Product Specification sheet for our bags.

	Declaration of Conformity		Document no: FSC 1
	QA Department		
Approved by: Stellan Flensmo	Rev: 02	Valid from: 2 Jan 2015	Page 2 (2)

This declaration shall apply as described to the products delivered by us.

Our declaration is based upon our suppliers' certificate and guarantees and made in good faith, and based on the current state of knowledge and does not constitute any guaranty. It is the user's own responsibility to insure the suitability of the product for the intended content. Existing laws and regulations must be respected by the user of our products in their own responsibility.

Declaration of conformity on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

We declare that all products produced for our clients are in conformity with The European regulation:

- (EC) No 1907/2006 on Registration, Evaluation, Authorisation and Restriction of Chemicals and these structures do not contain any Bisphenols and their compounds.

Based on current and available information, received from our suppliers, we hereby declare that none of the substances listed in the Candidate List of Substances of Very High Concern (Updated on 17th December 2015) are intentionally used or added in concentration ≥ 0.1 % in the products we supply. Since the presence of such substances could not be expected under normal conditions, the absence was not checked by analysis.

For the complete list of Substances of Very High Concern, please visit:

<http://echa.europa.eu/web/guest/candidate-list-table>

We notify that we only use fully REACH compliant raw materials and according to Regulation No 1907/2006 the polymer materials are not the subject of registration based on REACH regulation. A safety data sheet for our products likewise are not necessary for this reason, since our products does not concern with safety relevant materials or preparations.

Furthermore, we inform that ingredients included in supplied products have been a subject of preliminary registration made by our raw material suppliers'.

Quadpak AB Sweden	Date: 2018-05-25	Name signature: <i>Fredrik Bernstig</i>
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Food Contact:

FSC document available, Declaration of Conformity
All Quadpak's suppliers BRC/ISO and food contact approved
materials used

Storage / Using

Using period: Bags will be suitable for use up to 24 months
from date of delivery

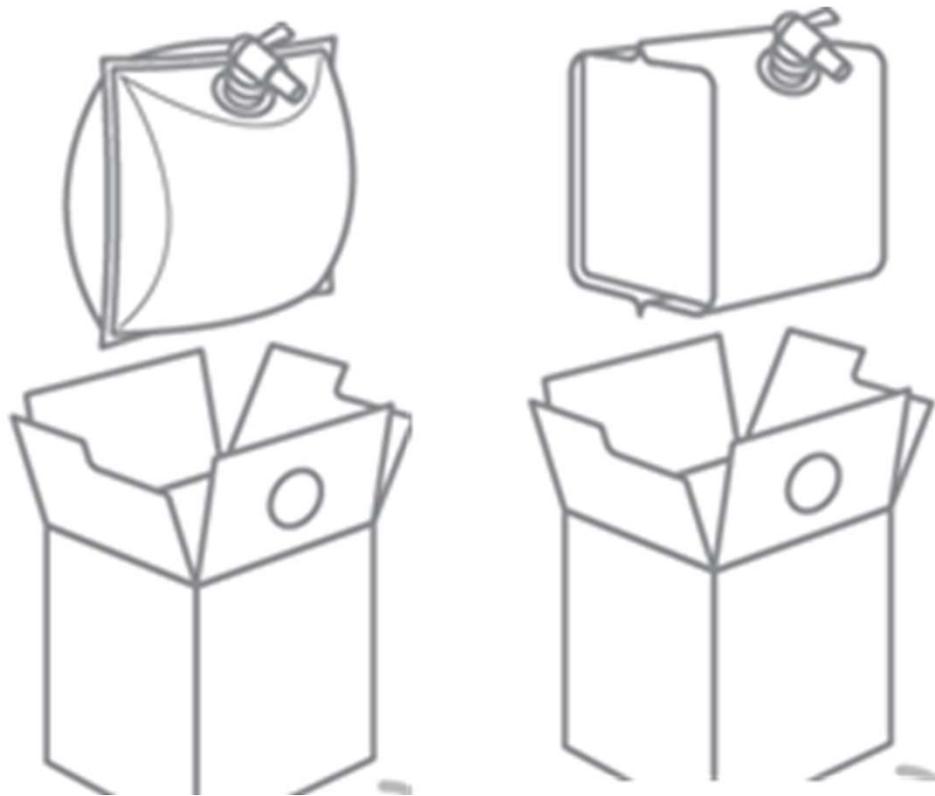
QUALITY CONTROLS

Quality controls/ check-ups regulary every 500 bag

- Dimensions
- Seal controlled by inflating the bag
- Seal controlled by manually stress of seals
- Inflated bags are checked for leaks under water
- Drop test
- Burst test
(inflated until bag bursts measuring value when bursting)
- WEBBED BAGS: Extra check of perforation and knives.
Changes made regulary every day

QSA Level 1 approved operation, production and supplier,
since 2 April 2018.





CHEERTAINER PRODUCT BENEFITS

- Significant cost savings in logistics and storage costs
 - Reduces costly price fluctuations by using at least 80% less plastic than rigid containers
 - Major reduction in handling costs
 - 99.9% dispense of liquid products without surging or glugging
 - Fills without air, resulting in no foaming or splashing
 - More user friendly – fitment always in dispense position
 - Eliminates internal cleaning costs associated with alternative rigid packaging
 - 10:1 logistical transportation advantage, reducing fuel consumption and CO₂/greenhouse gas emissions
 - 89% fewer CO₂ emissions during production than competitive rigid packaging
 - 50% fewer CO₂ emissions during transport than competitive rigid packaging
-



COMPARISON

Cheertainer is a new container that combines the flexibility of a Bag in Box and the improved advantages of rigid or semi-rigid containers, which makes it the perfect alternative to all of these options. It is comprised of a cube-shaped, multi-layer plastic bag, a tap, a cap or valve and a cardboard box.



YOUR PRODUCT
NEEDS TO BE
PACKAGED IN
CHEERTAINER



Bag in box



- Possible shifting of the closing device inside the box (it moves and is displaced).
- Less stability, more risk of leaks.
- A single layer with a lower density. Not compliant with UNE.
- Less content is evacuated than with the Cheertainer.

Cubitainer



- A semi-rigid container, reduced recycling costs.
- Better handling: must previously be filled with air.
- Lack of diversity in terms of closing devices and stoppers.
- Reduction in logistic and transport costs.

Decanter

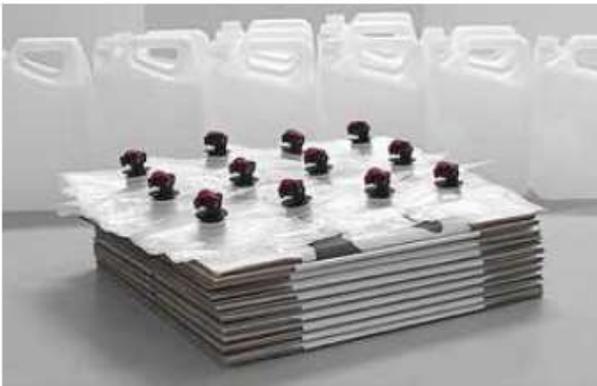


- Extremely bulky when empty (4 to 1).
- Difficult to stack.
- Small printing area.
- Higher recycling costs.
- Air bubbles and splashing when emptying.
- Empties 85% of the content (Cheertainer empties 99%).

Metal drum or container



- High environmental cost in recycling and manufacture.
- Bulky and heavy when empty, high logistic and transport costs.
- Becomes deformed when knocked (greater possibility of leaks and spills).
- Risk of rusting and corrosion.
- Air bubbles and splashing when emptying.
- Higher economic costs.



CHEERTAINER VS. PAIL

- Reduces plastic consumption by 92%
- 10:1 space savings over pails, reducing consumption of fuel and emission of greenhouse gases
- Improves palletisation efficiency, allowing for more efficient inventory and transportation stacking

CHEERTAINER VS. SEMI-RIGID PACKAGE

- Manufactured with 50% less plastic
- 3:1 space savings, reducing consumption of fuel and emission of greenhouse gases
- Ships and stores flat, maximising transportation and warehouse efficiency



CHEERTAINER VS. PILLOW

- Easier to dispense due to the fitment always being in the proper position
- Reduces flex cracking since the bag fits perfectly in the box, there are no folds or interior movement
- Dispenses 99.9% of most products because product is not trapped in the folds, creases or shoulders of the bag

CHEERTAINER VS. JERRYCAN

- Reduces plastic consumption by 86%
- 20:1 space savings over jerrycans, reducing consumption of fuel and emission of greenhouse gases
- Improves palletisation efficiency, allowing more product per pallet

UN CERTIFICATION

Certified in 10L and 20L sizes for Hazardous Groups 2 and 3, Cheertainer packaging provides the strength of a rigid container with the logistics, use and environmental benefits of a flexible package.

COST SAVING

SUSTAINABILITY

Cheertainer packaging helps lower your carbon footprint and meet your sustainability goals. It lessens packaging waste in landfills by 86% and reduces plastic consumption by up to 90%, when compared to 20L rigid packaging. Cheertainer is shipped flat, reducing transport and handling costs by nearly 20 times over jerrycans, and as a result, reduces the number of trucks on the road, amount of fuel consumed and greenhouse gases emitted.



SIZES:

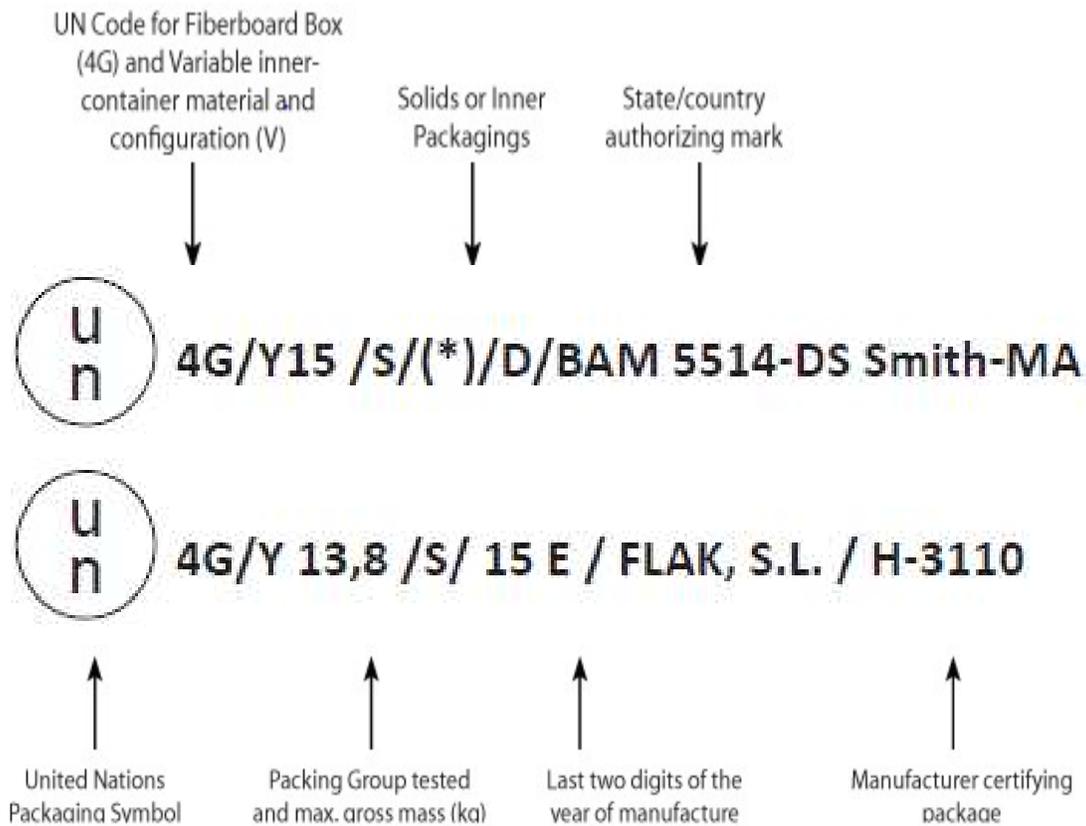
- 3L, 5L, 10L, 15L, 20L, 25L

FILM OPTIONS:

- Standard barrier – laminated polyethylene/nylon
- High barrier – laminated polyethylene/EVOH/nylon
- Metalized – polyethylene/ metalized polyester
- Other custom films



UN/ADR-certified BAG-IN-BOX



Ask customer:

- ✓ If UN / ADR Packaging is required
- ✓ Packaging group II or III (Material Safety Data sheet)
- ✓ Density of liquid / content

UN Market / What to know about UN and Flexible Packaging

- ✓ When checking at the customers MSDS (Material Safety Data Sheet)
- ✓ Section 9: Physical and Chemical properties
(1,3 g/cm³)
- ✓ Section 14 Transport information
14:1 UN / ADR number, dangerous goods or not
14:4 Packaging Group II or III



03 Drop Testing

Class X = I = high risk = 180cm

Class Y = II = moderate risk = 120cm

Class Z = III = low risk = 80cm

Fall on weakest point an on every side

**Test at -18°C, composite
Packaging with plastics inside**

