

# Packaging options for Vistalon™ EPDM rubber

The broad range of Vistalon ethylene propylene diene (EPDM) rubber grades, from ExxonMobil Product Solutions Company, are used in a wide variety of automotive, consumer and industrial applications.

Delivering excellent part performance and processing benefits that exceed those provided by natural and general purpose rubbers, Vistalon EPDM rubber grades are cost-effective solutions that provide:

- Ozone and UV resistance
- Water and polar fluid resistance
- Heat resistance up to 175°C (347°F)
- Low temperature flexibility
- Elastic properties under compression
- Excellent physical properties at high filler loadings
- Outstanding electrical insulation



With more than 50 years of leadership in EPDM rubber, ExxonMobil Product Solutions Company continues to meet changing customer needs globally by providing expertise and advancements in both metallocene and Ziegler-Natta-based EPDM rubber technologies.

There are different options for packaging Vistalon EPDM rubber grades, including metal crates and cardboard boxes, some of which are disposable while others can be re-used. Specific guidelines apply with regards to the handling, storing and stacking, and returning of this packaging, as indicated in the information below.

## Packaging types and dimensions

		Length (cm/inch)	Width (cm/inch)	Height (cm/inch)	Stacking guidelines
<b>Cardboard box</b>	2-cell	155/61	115/45	115/45	Max 2
	3-cell	145/57	82/32	117/46	Max 2
<b>FIBC*</b>		115/45	115/45	176/69	Max 1
<b>Leased metal crate</b>	5 layer	116/45	147/58	110/43	Max 4
	6 layer	116/45	147/58	110/43	Max 4
<b>Octabin</b>		133/52	115/45	117/46	Max 2
<b>Stretch-wrapped pallet</b>		133/52	115/45	181/71	Max 1

\* Flexible intermediate bulk container

## Packaging details

The table below provides an overview of the packaging options that are available for Vistalon™ EPDM rubber dependent on the grade. It provides details on the packaging types, packaging properties and materials used. The availability of specific Vistalon EPDM rubber grades or the availability of different packaging types may vary by region.

Packaging details				Sub-unit packaging details						
Grade	Package type	Total mass (kg)	Sub-units per package	Sub-unit mass (kg)	Package type	Release film	Film type	Film color	Film thickness (µm)	Typical melt point (°C)
<b>EPDM Terpolymers</b>										
1703P	Stretch-wrapped pallet	872	40	21.8	Bag	No	PE	White	152	125
	Octabin	650	-	-	-	-	-	-	-	-
1705	Metal crate	870	30	29	Wrap	No	PE	None	54	109
2502	Metal crate	750	30	25	Bag	No	EVA	None	180	90
2504	Cardboard box	1224	36	34	Wrap	Yes	EVA	Blue	100	101
	Metal crate	1020	30							
	Cardboard box	1224	36	34	Wrap	No	PE	None	54	109
	Metal crate	1020	30							
3655	Metal crate	900	36	25	Wrap	No	PE	None	54	109
3666	Cardboard box	1035	30	34.5	Wrap	No	PE	None	54	109
	Metal crate	1035	30							
	Metal crate	1050	42	25						
3695	Metal crate	900	36	25	Wrap	No	PE	None	54	109
3702	Stretch-wrapped pallet	1250	50	25	Bag	No	PE	None	140	105
	Metal crate	750	30							
5600	Cardboard box	810	30	27	Wrap	No	PE	None	54	109
	Metal crate	810	30							
5601	Stretch-wrapped pallet	1250	50	25	Bag	No	PE	None	140	105
	Metal crate	750	30							
5702	Stretch-wrapped pallet	1250	50	25	Bag	No	PE	None	140	105
	Metal crate	750	30							
6602	Metal crate	750	30	25	Bag	No	EVA	None	180	90
7001	Stretch-wrapped pallet	1250	50	25	Bag	No	PE	None	140	105
	FIBC*	1000	-							
7500	Metal crate	900	36	25	Wrap	No	EVA	None	54	97
	Cardboard box	900	36							
7602	Metal crate	750	30	25	Bag	No	EVA	None	180	90
	Cardboard box	525	21							
8731	Metal crate	840	30	28	Wrap	No	PE	None	54	109
9301	Stretch-wrapped pallet	1250	50	25	Bag	No	PE	None	140	105
	Metal crate	750	30							

\* Flexible intermediate bulk container

Packaging details				Sub-unit packaging details						
Grade	Package type	Total mass (kg)	Sub-units per package	Sub-unit mass (kg)	Package type	Release film	Film type	Film color	Film thickness (µm)	Typical melt point (°C)
<b>Copolymers</b>										
404	Cardboard box	1020	30	34	Wrap	Yes	EVA	Blue	100	101
	Metal crate	1020	30							
	Cardboard box	1020	30	34	Wrap	No	PE	None	54	109
	Metal crate	1020	30							
501	Cardboard box	525	21	25	Bag	No	EVA	None	180	90
	Metal crate	750	30							
	Stretch-wrapped pallet	1250	50							
502	Cardboard box	525	21	25	Bag	No	EVA	None	180	90
	Metal crate	750	30							
703	Metal crate	1020	30	34	Wrap	No	EVA	None	54	101
706	Cardboard box	1020	30	34	Wrap	No	PE	None	54	109
	Metal crate	1020	30							
722	Stretch-wrapped pallet	1250	50	25	Bag	No	PE	None	140	105
	Octabin	600	-							
785	Metal crate	1020	30	34	Wrap	No	EVA	None	54	101
805	Metal crate	924	30	31	Wrap	No	PE	None	54	109
878	Metal crate	1020	30	34	Wrap	No	EVA	None	54	101
878P	Stretch-wrapped pallet	500	20	25	Bag	No	PE	White	152	125
919	Metal crate	1020	30	34	Wrap	No	EVA	None	54	101

### Cardboard boxes

Cardboard boxes are used to package various grades of Vistalon™ EPDM rubber. They are available in two different options:

#### 2-Cell box

The 2-cell cardboard box is 155cm (61 inches) long, 115cm (45 inches) wide and 115cm (45 inches) high and can be stacked with a maximum of 2 boxes. It has one cardboard separation in the middle and typically contains 20, 30 or 36 dense bales.



#### 3-Cell box

The 3-cell cardboard box is 145cm (57 inches) long, 82cm (32 inches) wide and 117cm (46 inches) high and can be stacked with a maximum of 2 boxes. It is divided into 3 sections, with cardboard separations containing 7 dense bags per section.



### Leased metal crate

The leased metal crate which is made of galvanized steel is 147cm (58 inches) long, 116cm (45 inches) wide and 110cm (43 inches) high. It can be stored inside or outside. It has collapsible side walls which allow the crate to be folded together when not in use. It can be stacked up to 4 high.



### 5-layer crate

The 5-layer crates are stacked in 5 layers, each of 6 bales.



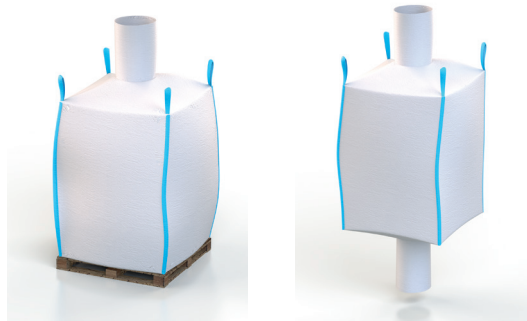
### 6-layer crate

6-layer metal crates are stacked in 6 layers, each of 5 bags of Vistalon EPDM material.



### FIBC

The Flexible Intermediate Bulk Container (FIBC) weighs 1000kg (2,205lb) and is 115cm (45 inches) long, 115 cm (45 inches) wide and 176cm (69 inches) high.



### Octabin

The octabin is an 8-sided cardboard box on a wooden pallet that is 133cm (52 inches) long, 115cm (45 inches) wide and 117cm (46 inches) high which can be stacked with a maximum of 2.



### Stretch-wrapped pallet

Vistalon™ EPDM rubber pellets can also be packed in bags of 25 kg each and stacked per 50 bags on a wooden pallet. These are stretch-wrapped for stability with either clear or black wrap depending on UV sensitivity of the product. The dimensions of this pallet are 133cm (52 inches) long, 115cm (45 inches) wide and 181cm (71 inches) high.



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