

Avery Dennison
Label and Packaging Materials
Product Overview

Asia Pacific - South Asia
July 2021

Low Mandrel



Pharmaceutical containers, are small – with typical volumes of 10–150 ml and diameters of 15–50 mm. Only a label adhesive with excellent mandrel performance can ensure successful conversion and dispensing.

There is growing demand for self-injection devices across the medical segment, thanks to many different benefits including better dosage security and sterility. The challenge to label converters is how to address such small diameters and low energy (e.g. PE/PP) substrates.

Avery Dennison offers a sophisticated portfolio of labelling solutions designed for small-diameter pharmaceutical labelling applications. It provides outstanding tight mandrel performance, a low risk of adhesive migration, edge lift, and 12-month advance change notification*.

Options include low-migration pharmaceutical adhesives S692NP and S717P. The first delivers exceptionally low migration (important as plastic use grows), while S717P minimises edge lift on low surface-energy substrates, down to 10 mm in diameter.

* Only applies to the following adhesives: S2000NP, S2045NP, S717P, S692NP




Key features

- Outstanding mandrel performance on small diameter containers
- Availability and change notification 12 months in advance*
- Compliance with FDA and European food regulations

Application areas

- Prescription medicines or drugs
- OTC (over-the-counter) products
- Auto-injector pens for diabetics, autoimmune deficiencies and more
- Pre-filled syringes and vials
- Small diameter containers: 15–50 mm diameter
- Glass, PE and PP substrates (including treated, slip-coated or varnished)
- Low migration labels for thin-walled LDPE containers
- Any application requiring excellent mandrel performance

Find more label solutions at label.averydennison.com

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Code	Description	Luminescent (Laetus Scale)	Low Migration Risk	Min Appl Temp	Service Temp	Adhesion: on Glass	Adhesion: on PE / PP	Mandrel Hold: Glass			Mandrel Hold: HDPE/PP			Sterilization			
								ø 7 mm [0.5 ml]	ø 10 mm [1.25 ml]	ø 20 mm	ø 10 mm [2 ml]	ø 16 mm [10 ml]	ø 22 mm	Autoclave	Etox	Gamma	
AN872	Fasson® PP Top NG Clear -S700LUM-PET30S	9		10 °C	-50/ 121 °C	●	○	○	●	●	○	○	●	●	●	●	●
BC932	Fasson® MC Pharma FSC/ S717P/BG45Wh		Y	10 °C	-50/ 121 °C	●	●	○	●	○	○	●	○	●	●	●	●
BC934	Fasson® PP30 Top Clear/S717P/ BG45Wh		Y	10 °C	-50/ 121 °C	●	●	●	●	●	●	●	●	●	●	●	●
SW8586MM	Fasson® 50 mic Wh. PP TC/ S692NP/ BG40Wh		Y	5 °C	-20/ 80 °C	○	○	○	●	●	○	●	●	●	●	●	●
ALV434	Fasson® LW/ Permanent(S692NP)/BG40WhNI		Y	5 °C	-20/ 80 °C	○	○	○	●	○	○	○	○	○	○	○	○
AM18451	Fasson® Faspharma Plus / Permanent(HITAC)			5 °C	-20/ 60 °C	●	●	○	●	○	○	●					
53343	Fasson® Lightweight Pharmaceutical Litho/S717P/1.2 Mil		Y	10 °C	-50/ 120 °C	●	●	○	●	○	○	●	○	●	●	●	●
AE948N	Fasson® PE Top White/ S692NP/ BG40 WhImp		Y	5 °C	-20/ 80 °C	●	○	○	○	○	○	○	○	○	○	○	○
AE949N	Fasson® PP Top White/ S692NP/ BG40 WhImp		Y	5 °C	-20/ 80 °C	○	○	○	○	○	○	○	○	○	○	○	○
AE947N	Fasson® PP Top Clear / S692NP/ BG40 WhImp		Y	5 °C	-20/ 80 °C	○	○	○	○	○	○	○	○	○	○	○	○
BD151	Fasson® PET36 Top Clear S717P-PET36		Y	10 °C	-50/ 121 °C	●	●	●	●	●	●	●	●	●	●	●	●
AX203	Fasson® PP30 Clear S4000N LUM-PET30	5		10 °C	-20/ 100 °C	○	○	○	○	○	○	○	○	○	○	○	○
BH134	Fasson® PP30 Top White S717P- BG40WH		Y	10 °C	-50/ 121 °C	●	●	●	●	●	●	●	●	●	●	●	○

Certain polymers such as fluoropolymers (PTFE, PVDF), polyacetals, polypropylene etc., might have limitation in standing up to gamma radiation exposure for sterilization

Product information

Code	Description	Size (mm x mtrs)	Location	Lead time
AN872	Fasson® PP Top NG Clear -S700LUM-PET30S	1000 X 1000	Pune	7 Days
BC932	Fasson® MC Pharma FSC/S717P/BG45Wh	1000 X 1000	Pune	7 Days
BC934	Fasson® PP30 Top Clear/S717P/BG45Wh	1000 X 1000	Pune	7 Days
SW8586MM	Fasson® 50 mic Wh. PP TC/ S692NP/ BG40Wh	1500 x 1000	Pune	7 Days
ALV434	Fasson® LW/Permanent(S692NP)/BG40WhNI	1500 X 1000	Pune	3 Days
AM18451	Fasson® Faspharma Plus / Permanent(HITAC)	1000 X 1000	Pune	3 Days
53343	Fasson® Lightweight Pharmaceutical Litho/S717P/1.2 Mil	1524 X 3060	NA	14 Days
AE948N	Fasson® PE Top White/ S692NP/BG40 WhImp	1500 X 1000	Pune	7 Days
AE949N	Fasson® PP Top White/ S692NP/BG40 WhImp	1500 X 1000	Pune	7 Days
AE947N	Fasson® PP Top Clear / S692NP/BG40 WhImp	1500 X 1000	Pune	7 Days
BD151	Fasson® PET36 Top Clear S717P-PET36	1000 X 1000	Europe	14 Days
AX203	Fasson® PP30 Clear S4000N LUM-PET30	1000 X 1000	Europe	14 Days
BH134	Fasson® PP30 Top White S717P-BG40WH	1000 X 1000	Europe	14 Days

Meeting the pharmaceutical compliance challenge

All manufacturers of pharmaceutical packaging have to meet the challenges posed by new regulations and stronger packaging guidelines. There is growing pressure to understand rules in detail, and to make absolutely sure every package is compliant. That means rising demand from pharmaceutical companies for customised tests and individual packaging material certification.

The Avery Dennison Pharma and Complete Compliance Expert Team is always on hand to give converters and pharmaceutical companies detailed information, full transparency and technical support. These are essential resources when navigating the complexities of pharmaceutical applications and making sure the end result is both successful and compliant.

Label and plastic packaging solutions should comply with the following:

- European food regulation 1935/2004/EC, including 10/2011/EU guidance on plastic materials and articles intended to come into contact with food
- ISO 3826 - a norm that explains how to test plastics collapsible containers for human blood and blood components
- FDA 175.105 Food and Drug Administration (FDA) concerning indirect food additives, adhesives and components of coatings
- ISO 10993-5 dedicated test for vitro cytotoxicity
- ISO 10993-10 test for irritation and skin sensitization



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