

Small diameter labelling

Pharmaceutical containers, bottles, test tubes and syringes, are small - with typical volumes of 1-100 ml and diameters of 7-50 mm. Demand for these containers is growing rapidly, thanks to patient benefits that include dosage accuracy and sterile conditions.

Only the most advanced adhesive technology can cope with such small container diameters, and with low-energy surfaces such as polyethylene and polypropylene. Avery Dennison's small-diameter pharmaceutical portfolio offers the excellent mandrel performance that is essential for successful conversion and high speed dispensing.

Options include S692NP adhesive with exceptionally low-migration (important as plastic use grows), and S717P which minimises edge lift on low surface-energy substrates down to 10 mm in diameter.

Luminescent topcoats for syringes and vials are now available to give label converters far better flexibility in adhesive selection. Pharmaceutical manufacturers benefit from faster qualification times, since the luminescent topcoats can be combined with previously qualified adhesives.

Application areas

- Prescription medicines or drugs
- Over-the-counter (OTC) products
- Auto-injector pens for diabetics, autoimmune deficiencies and more
- Pre-filled syringes and vials
- Small diameter containers: 7-50 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

Key features

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



* Applies to the following pharma adhesives:
S2000NP, S2045NP, S717P, S692NP, S799P and S788P



Low
MOQ



Quick
Quote



Fast
Delivery

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 Compliance Team is always on hand to give converters and pharmaceutical companies detailed information, and technical support. These are useful 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**

		1935/2004/EC Food Contact	ISO 3826-1	FDA 175.105	Included in Drug Master File U.S.
Guideline on Immediate Plastic Packaging	S2000NP	✓	✓	✓	✓
	S692NP	✓	✓	✓	✓
	S2045NP	✓	✓	✓	✓
	S717P	✓	✓	✓	✓
Cold Chain Labelling	AL171		✓	✓	
	C2020P	✓	✓	✓	
	S2060NP	✓	✓	✓	✓
	S2196	✓	✓	✓	
	C0196				
Security Labelling	S788P	✓	✓	✓	
	S799P	✓	✓	✓	

** Information about ISO 10993 Medical Device compliance available on request

*** The Marketing Authorisation Holder is ultimately responsible for ensuring that technical and regulatory compliance is fulfilled

Small diameter labelling

Product information

Code	Product description	Basis weight [gsm/m ²]	Front			Adhesion		Mandrel Hold Glass			Mandrel Hold Glass HDPE / PP			Sterilisation			Luminescent (Laetus Scale)	Low Migration Risk	Dispensing	Chemical Resistance	Low Temperature Performance
			Caliper [µm]	Paper	Film	Semi Gloss	Gloss	on Glass	on PE / PP	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					
AE082	LW FSC S2000NP-BG40WH FSC	62 55	✓	✓		••••		✓	✓	✓	✓	✓	✓	✓	✓	✓	9	•	•		
AM207	LW FSC S2045NP-BG45WH IMP FSC	62 55	✓	✓		•••••		✓	✓	✓	✓	✓	✓	✓	✓	✓	9	•	•	•	
AH431	LW FSC S692NP-BG40WH FSC	62 55	✓	✓		••		✓	✓	✓	✓	✓	✓	✓	✓	✓	9	✓	•	•	•
AO865	LW FSC S692NP-PET36	60 52	✓	✓		••		✓	✓	✓	✓	✓	✓	✓	✓	✓	9	✓	••	•	•
AA024	LW60 FSC S451-BG45WH IMP FSC	62 55	✓	✓		•••••		✓	✓	✓	✓	✓	✓	✓	✓	✓	9	•	•	•	••
BC932	MC Pharma FSC S717P-BG45WH	60 52	✓	✓		••••		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	•	•	•
AT440	MC Pharma FSC S2000NP-BG40WH FSC	60 52	✓	✓		••••		✓	✓	✓	✓	✓	✓	✓	✓	✓		•	•		
AS495	MC Pharma FSC S692NP-BG40WH FSC	60 52	✓	✓		••		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	•	•	•
AX236	MC Pharma FSC S692NP-PET30	60 52	✓	✓		••		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	••	•	•
BC932	MC Pharma FSC S717P-BG45WH	60 52	✓	✓		••••		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	•	•	•
BB544	MC Primecoat FSC S2000NP-BG40BR	80 69	✓	✓		••••		✓	✓	✓	✓	✓	✓	✓	✓	✓		•	•		
AT021	MC Primecoat FSC S2000NP-PET23	80 69	✓	✓		••••		✓	✓	✓	✓	✓	✓	✓	✓	✓		••	•		
BL308	MC90 FSC S2000NP-BG40BR	88 78	✓	✓		••••		✓	✓	✓	✓	✓	✓	✓	✓	✓		•	•		
BJ882	Gloss FSC S2000NP-BG40WH FSC	80 65	✓	✓		••••		✓	✓	✓	✓	✓	✓	✓	✓	✓		•	•		
AL738	HGW Premium FSC S2000NP-BG40WH FSC	80 85	✓	✓		••••		✓	✓	✓	✓	✓	✓	✓	✓	✓		•	•		
AE947	PE85 Top White S692NP-BG40WH FSC	82 82	✓	✓		••		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	•	•	•
BL557	PP30 Top White S717P-BG40WH	23 31	✓	✓		••••		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	•	•	•
BJ918	PP30 Top White S692NP-BG40WH	23 31	✓	✓		••		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	•	•	•
BJ231	PP40 Cavit White S717P-BG45WH	40 30	✓	✓		••		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	•	•	•
AO271	PP Light Top White S692NP-PET30	48 49	✓	✓		••		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	••	•	•
BD522	PP Light Top White S717P-BG45WH	48 49	✓	✓		••••		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	•	•	•
AE948	PP Top White S692NP-BG40WH FSC	59 57	✓	✓		••		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	•	•	•
BL291	Primax II S692NP-BG40WH	65 63	✓	✓		••		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	•	•	•
AJ053	Primax II S692NP-PET30	65 63	✓	✓		••		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	••	•	•

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AY389	PP30 Top Clear S692NP-BG40WH	27 30	✓	✓	•	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BF405	PP30 Top Clear S692NP-PET30	31 27	✓	✓	•	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AX203	PP30 Clear S4000N LUM-PET30	27 30	✓	✓	•	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5	••	•	•
AX207	PP NG Top Clear S4000N LUM-PET36	46 50	✓	✓	•	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5	••	•	•
AN869	PP NG Top Clear S692NP-BG40WH	46 50	✓	✓	•	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	•	•
AN499	PP Light Top Clear S692NP-PET30	44 49	✓	✓	•	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	•	•
BF237	PP Light Top Clear S717P-BG45WH	44 49	✓	✓	••	••	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	•	•
AG629	PP NG Top Clear S697 LUM-PET36	46 50	✓	✓	•••	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9	••	••	•
AA844	PP NG Top Clear S700-BG40WH	46 50	✓	✓	•••	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	•	••	•
AN873	PP NG Top Clear S700-PET30	46 50	✓	✓	•••	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9	••	••	•
AE091	PP NG Top Clear S700-PET36	46 50	✓	✓	•••	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	••	••	•
AN872	PP NG Top Clear S700 LUM-PET30	46 50	✓	✓	•••	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9	••	••	•
EC162	PP50 Top Clear MP318N-PET36 HR	47 50	✓	✓	•••	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	••	••	•
EC163	PP50 Top Clear MP318N LUM-PET36	47 50	✓	✓	•••	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	6	••	••	•
AE949	PP Top Clear S692NP-BG40WH FSC	52 57	✓	✓	•	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	•	•
AX204	PP Top Clear S4000N LUM-PET30	52 57	✓	✓	•	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5	••	•	•
AA661	PP Top Clear S700-PET30	52 57	✓	✓	•	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	•	•	•
AX206	PET36 Top Clear S4000N LUM-PET36	50 36	✓	✓	•	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5	••	•	•
BL148	PET36 Top Clear MP318N LUM-PET36	50 36	✓	✓	••	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	6	••	•	•
BQ266	PET36 Top Clear LUM S517N-PET36	51 38	✓	✓	••	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7	••	•	•
BQ765	PP50 Top Clear LUM S799P-BG45WH FSC	48 51	✓	✓	•	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	•	•	•
BO872	PP40 Top Clear S697 LUM-PET36	51 36	✓	✓	•	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	6	••	•	•
EC169	PET36 Top Clear MP318N-PET36	50 36	✓	✓	••	•	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	••	••	•

• good •• better ••• best



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