

Labels for Small-Diameter Pharmaceutical Containers



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The biggest selection of small-label materials

Pharmaceutical industry demand for containers like pre-filled syringes, vials, ampoules and injection pens is growing. Labels on these containers must adhere dependably on curved surfaces and on containers ranging from 25 millimeters to seven millimeters in diameter, and must perform on high speed production lines. What's more, labels must withstand the heat and moisture of sterilization, as well as the chill of storage at low temperatures. And some require luminescence for detection by UV-based inline systems.

Get materials that meet the stringent performance requirements of this fast-growing segment: We offer the broadest and most widely available selection of materials for labeling small-diameter pharmaceutical containers, with solutions that stand up to the job—and, in some cases, advance sustainability at the same time.

Purpose-engineered.
Always available.

Choose from a wide range of filmic labels that provide the clear-on-clear, “no label” appearance desirable for pharmaceutical containers or traditional light weight papers.

In our wide range of adhesives, we offer S692NP, an emulsion-based adhesive with the lowest migration risk. Another emulsion adhesive, S717P, is the best choice for treated surfaces like coated vials. Our solvent-based adhesives, S697 and S2196, offer high resistance to heat, humidity, and chemicals like sanitizing agents. Additionally, S2196 offers exceptional performance in temperatures as low as -196°C.

We provide you with a minimum of one year's advance notice of any changes to our pharmaceutical adhesives* and provide all testing, certification and documentation to satisfy compliance requirements. We also guarantee that our adhesives will be available when you need them.

*S717P, S692NP, C2020P, S799P, S2060NP, S2000NP, C2050P, S788P

Key Features

- Suitable for application on small diameter containers and high speed dispensing lines
 - Suitable for application on treated surfaces (coated surfaces)
 - Solutions with high humidity, heat, and chemical resistance
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Applications

Prefilled syringes/Vials/Ampoules/Insulin pens and cartridges

Condensed surfaces.

A growing number of liquid medicines that come in containers like vials, ampoules, and prefilled syringes are temperature-sensitive. The challenge of maintaining 2 - 8° Celsius low-temperature conditions across the supply chain hinders productivity. Once containers are removed from cold storage for labeling, they often have moisture on them and this complicates the labeling process. Unfortunately, many of the current solutions create additional complexity in handling medicines and prolong their time exposed to higher temperatures. However, correct adhesive choice like S692NP or S451 can improve

the labeling of condensed surfaces since constructions including these adhesives perform better when combined with best practices such as overlapping the labels by at least 3mm or limiting the pre-dispensing of the labels. Many factors affect the success of this solution, including the type of glass used, coatings, dispensing speed, and the actual amount of moisture on the surface.

Less material for more sustainability.

Using 50,000 square-meters of our PP40 product rather than the standard PP50, you can consume 11 percent less fossil material (that's 71 barrels of oil), four percent less water (enough drinking

water for one year for 50 people), and increase efficiencies on press and in transportation and storage. Our internal tests and qualification with customers has proven that thinner materials can perform as good as their thicker counterparts so you're not compromising on performance when choosing them.

PET liners with 30% PCR are another step you can take towards a greener future. Additionally, we launched our liner recycling service AD Circular, a comprehensive program providing recycling of used paper and filmic label liners in countries across Europe.



Small Diameter Range

Code	Product Name	Adhesion			Mandrel Hold*		Sterilisation		Luminescent (Laetus Scale)	Low Migration Risk	Low Temperature Performance	Humidity resistance	Heat resistance	No-label look (clear-on-clear)
		Glass	PE / PP	Coated surface	Glass	HDPE / PP	Autoclave	Gamma						
BF405	PP30 Top Clear-S692NP-PET30 ●	●●○	●●○		●●●	●○○	✓			✓	●○○	●○○		✓
BJ489	PP Light Top Clear S692NP LUM-PET30	●●○	●●○		●○○	●○○	✓		5	✓	●○○	●○○		✓
CH656	PP40 Top Clear RDX S692NP-rPET30 ● ● ●	●●○	●●○		●●●	●○○	✓			✓	●○○	●○○		✓
BX365	PP Light Top White S692NP-rPET30 ● ●	●●○	●●○		●○○	●○○	✓			✓	●○○	●○○		
BX357	PP Light Top Clear S692NP-rPET30 ● ●	●●○	●●○		●○○		✓				●○○	●○○		✓
BI667	PP NG TOP CLEAR S697-PET36	●●●	●○○		●●●		✓				●○○	●●○	✓	✓
CF898	PP40 Top Clear RDX S697 LUM PET30 ●	●●●	●○○		●●●		✓		9		●○○	●●○	✓	✓
BN309	PP Light Top White S717P-PET30	●●○	●●●	✓	●●○	●●○	✓			✓	●○○	●○○		
BK848	PP Light Top Clear S717P-PET36	●●○	●●●	✓	●●○	●●○	✓			✓	●○○	●○○		✓
AJ141	PET36 Top Clear S697 LUM-PET36	●●●	●○○		●●●	●●○	✓	✓	9		●○○	●●○	✓	✓
AA025	LW60 FSC S451-BG45WH	●●●	●●●		●●○	●●○	✓	✓	9		●●○	●●●		
AZ452	PP TOP WHITE S2196-BG40WH FSC	●●●	●○○		●●○	●○○	✓				●●●	●●○	✓	

*Diameter below 15mm ●○○ Good ●●○ Better ●●● Best

Sustainable solutions: ● Thinner materials ●● Recycled liner

Get in touch

To learn more about our materials and technical support services for pharmaceutical labeling, visit label.averydennison.com. Or contact your Avery Dennison representative.



For more information on technical performance and printing recommendations, please refer to the respective datasheets. Please note that the Avery Dennison product range and service offering can be subject to changes. For an accurate overview, please check our website label.averydennison.eu or contact your local Avery Dennison sales representative.

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