

# Frozen Food



## Adhesive for frozen food solutions



The frozen food and ready-to-eat markets are experiencing rapid growth. These evolving needs are driven by shifting consumer trends towards convenience, health consciousness, and sustainability. Additionally, emerging packaging trends prioritize enhanced product visibility, portion control, and clear labeling with nutritional information and sustainability certifications. With these need, Avery Dennison has developed a new range of frozen food solutions designed to address these evolving industry demands and consumer preferences.

Frozen food packaging can be complex with various requirements, Avery Dennison offers a wide range of adhesive solutions that can meet your needs.

### **C2075F – Deep freeze application hotmelt adhesive**

C2075F is a strong rubber hotmelt adhesive that works in temperatures as low as  $-20^{\circ}\text{C}$ . With excellent initial tack and affinity to low surface energy substrates, it is the perfect match for oily or moist applications. C2075F is also available with recycled polypropylene facestocks for an added sustainable advantage.

### **C7501 – Engineered for wide temperature range**

C7501 is a versatile emulsion acrylic adhesive that is designed for a wide range of applications under moist and dry conditions. It works in temperatures as low as  $-40^{\circ}\text{C}$  up to  $90^{\circ}\text{C}$ , enabling the label to withstand microwave conditions. When paired with flexible film, it is the perfect solution for vacuum packaging and squeezable bottles.

### **C7050 – Retort process and chilled food applications**

C7050 is a general-purpose clear acrylic emulsion adhesive for food packaging that can be applied at chilled conditions while withstanding temperatures up to  $145^{\circ}\text{C}$ . Featuring strong initial tack, ultimate adhesion and low adhesive ooze, it is also approved for direct food contact (Direct EU No.10/2011). When paired with polyester materials that feature excellent tear strength, heat resistance, dimensional stability, opacity and chemical resistance, it is a perfect solution for retort food processing.

## Adhesive properties

	C7501	C2075F	C2076C	S2800	C7050
Adhesive Type	Acrylic Emulsion	Rubber-based Hotmelt	Rubber-based Hotmelt	Acrylic Emulsion	Acrylic Emulsion
Initial Tack	Medium	High	High	Medium	Medium
Ultimate Adhesion	Medium	Medium	Medium	Medium	Medium
Min App. Temp	-40°C	-20°C	0°C	-15°C	-4°C
Application / Key Feature	Deep Freeze	Deep Freeze	Chilled	Direct Food Contact, Deep Freeze	Retort Food Processing, Chilled
Food Approval	FDA (section 175.105) for indirect food contact*			EU No.10/2011 (dry, moist, fatty foodstuffs)*	

\*Depends on application and region

## Introducing the first recycled direct thermal film for frozen food applications

Our newly launched direct thermal film with recycled content offers exceptional performance, even in challenging conditions like oil and moisture exposure. Designed with an advanced topcoat, it delivers consistent thermal print quality on high-speed weighing scales and industrial printers, matching the performance of traditional virgin materials. This innovative solution provides a sustainable edge for brands seeking sustainable alternatives in their packaging without compromising on quality or efficiency.

## Key features

- Suitable for all freeze conditions ranging from ambient to deep freeze
- Excellent print quality to provide attractive on-shelf appearance
- Available in hotmelt and emulsion adhesives for various application needs
- FDA approved solution for direct food contact available
- Available with recycled facestocks, promoting packaging circularity

## Application areas

- Frozen ready-meal containers
- Refrigerated meat/fish/poultry trays

## Product information

Code	Description	Deep Freeze	Chilled	Retort Food Processing
AAG733 (SY7022)	Synthetic Paper II/C7501/BG40Wh Imp FSC	✓	✓	
AAG699 (SY7155)	rPP Synthetic Paper/C7501/BG40Wh Imp FSC	✓	✓	
AAG737 (SY7008)	TransCode Plus White/C7501/BG40Wh Imp FSC	✓	✓	
AAI006 (SW7068F)	DT200HD FSC/C7501/BG40Wh Imp FSC	✓	✓	
AAH848 (SY7285)	rDirect Thermal PP TC/C7501/BG40Wh Imp FSC	✓	✓	
AAH850 (SY7290)	Direct Thermal PP85 TC/C2075F/BG40Wh Imp FSC	✓		
AAG685 (SY7221)	rPP Synthetic Paper/C2075F/BG40Wh Imp FSC	✓		
AAG687 (SY7220)	rPP White TC/C2075F/BG40Wh Imp FSC	✓		
AAH849 (SY7286)	rDirect Thermal PP TC/C2075F/BG40Wh Imp FSC	✓		
AAG724 (SY7074M)	Synthetic Paper/AT20/BG40Wh Imp FSC		✓	
AAG722 (SY7083)	PET Top White 50 micron/C7050/BG50Wh FSC		✓	✓
SY7293	PET Top Clear 50/C7050/BG50Wh Imp FSC		✓	✓

Find more sustainable label solutions at  
[label.averydennison.com](https://label.averydennison.com)



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