



Customer Product Specification



Product Description	MPS 110mm Smooth Cap, White with EPE Wad
Product Code	A1-110-01-EPE

Product Photograph	Product Details				
	Nominal Weight	17.0g	Process	Injection	
	Neck Size	110 mm	Brimful Capacity	N/A	
	Wad / Liner				
	Expanded Poly Ethylene EPE (Tri seal F217/3)				
	Materials				
	Description	%	Ref Code	Supplier	
	Polypropylene	97	RM1006	Hardie Polymers	
	White Masterbatch	3	MB2001	Gabriel Chemie	
	Pallet Options				
	Packaging Description	Product is tumble packed in a lined cardboard box. The boxes are taped, sealed and palletised, The pallet is stretch wrapped for stability			
	Box Qty	350	Pallet size	Std 1.2m x 1.0m	
	Standard Pallet Specification Information				
	Pallet Height	2.6m	Pallet Quantity	8750 (25 boxes)	
Pallet network Specification Information					
Pallet Height	2.1m	Pallet Quantity	7000 (20 boxes)		
Half height Pallet Specification Information					
Pallet Height	1.1m	Pallet Quantity	3500 (10 Boxes)		
Approved					
Signed	 Nicole Charlton		Date	12 th March 2021	

Customer Product Specification



Product Description	MPS 110mm Ribbed Cap, White with EPE Wad
Product Code	A1-110N-01-EPE

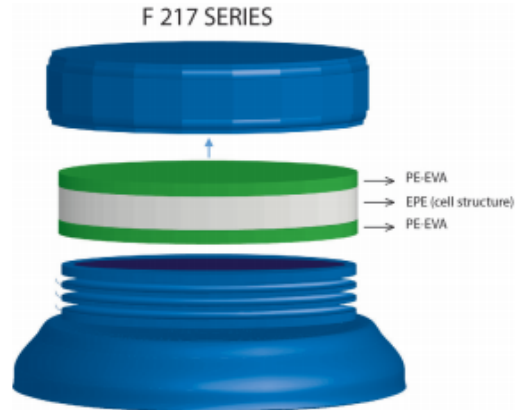


Technical Data Sheet

Co-Extruded Gasket & Lining Material

F 217-3, F 217-4, F 217-5

PLASTIC FORMULATION



Highlights

- Tri Seal F 217 is a patented three layer co-extruded product: two solid polyethylene surfaces cover a central layer of foamed polyethylene with closed cells. This structure is a single polymeric unit which cannot delaminate.
- Construction: solid PE-EVA / foamed EPE / solid PE-EVA, foamed EPE available in different densities.
- Tri Seal F 217 is developed especially for use in aggressive media where normal LDPE would be subjected to stress cracking.
- The foamed center core provides the resiliency needed for sealing and the solid facings prevent evaporation and product penetration.

Regulatory Compliance

- The ingredients of Tri Seal F 217 are authorised by the regulations of FDA, BfR and Commission Regulation (EU) No. 10/2011.
- The contact layer of F 217 is in compliance with the requirements of the European Pharmacopoeia: monograph 3.1.3 "Polyolefins".
- This formulation is also listed with the FDA in DMF 12087.

Physical Properties

	F 217-3	F 217-4		F 217-5	Tolerance
Density (kg/m ³)	350	400		500	± 10 %
	/	/		0,60	± 0,12
Standard thicknesses (mm)	0,75 - 1,00 - 1,25 - 1,50 - 1,75 - 2,00				± 0,12
	2,25 - 2,50				± 0,15
Shore A 0° (Shore)	60	65	70	80	/
		thicknesses: 0,75 - 1,00 mm			
Colour	white				/
Compression set 22h/23°C/25%	37 %	40 %		33 %	/
MVTR at 38°C - 90%RH	< 1 g/m ² /24 hrs				
GTRO at 40°C - 0%RH - 100% O ₂	674 cm ³ /m ² /24 hrs				

Available as

- Strip widths from 20 mm up to 800 mm, cut liners and gaskets.
- Cut liners available both packed in bulk and packed in PE-tubes.

Subject to technical limitations, other thicknesses, dimensions and densities can be produced on demand.

Laminations

For particular applications, especially to increase the barrier abilities, Tri Seal F 217 (all densities) can be laminated with PVDC-film. Also self adhesive Tri Seal F 217 liners, supplied on a silicone paper backing, can be produced.