



**Q:** What are the Suggested Equipment Settings for Atmos?

**A:**

Equipment	Settings	.030"	.035"	.040"
BioStar	Code	123	133	133
Erkoform	Heating Temp	165° C	165° C	165° C
	Cooling Time	40 Seconds	40 Seconds	40 Seconds
Drufoformat	Heating Time	1:10	1:15	1:20
	Cooling Time	30 Seconds	30 Seconds	30 Seconds

**Q:** Can the equipment setting be chosen (outside of recommendation) by a doctor/lab?

**A:** Yes, a user may determine a different setting for the results he/she desires. The recommended equipment settings are based on extensive laboratory testing using the most popular forming equipment.

**Q:** What are the settings for a manual thermoforming machine?

**A:** AO completed extensive testing on the most popular machines, all of which included some level of control and automation. Due to the nature of manual machines, we are not able to provide settings.

**Q:** What are the settings for a MiniSTAR® machine?

**A:** AO completed extensive testing on the most popular machines, all of which included some level of control and automation. Due to the popularity of the BioStar®, we omitted the MiniSTAR® from these rigorous tests. We suggest a 25 second heat cycle on the .030" material and a 35 second heat cycle on the .040" material. If wrinkles occur, decrease the heating time.

**Q:** What metric thickness should I order?

.030" = 0.75mm

.035" = 0.90mm

.040" = 1mm

**Q:** Can Atmos be formed on stone models or 3D printed models?

**A:** Atmos can be formed on both stone and 3D printed models.



**Q: Can I use instruments, like the Hu-Friedy Clear Collection, to punch holes or dimple the plastic?**

**A:** Yes, this plastic works well with instrument manipulation. It stands up to hole punches and will receive dimples without compromising the integrity of the plastic.

**Q: I am getting wrinkles/plastic not molding correctly. What do I do?**

**A:** Try repositioning the model, if not corrected, reduce heating time or heating temperature.

**Q: We are getting bubbles in the material, what do we do?**

**A:** If a low temperature oven is available, try drying the plastic at 160-165°F. Time required will be dictated by amount of moisture needed to be removed. Start with 1-3 hours and add time as necessary.

**Q: Does this product contain BPA?**

**A:** There is no reason to believe this product contains BPA (bisphenol A).

**Q: What is the blue coating on the plastic discs?**

**A:** The blue film is a protective layer placed on both sides of the plastic in order to shield it from scratching, scuffing, and other environmental risks.

**Q: Can this material be formed with the film on?**

**A:** Yes, this material can be formed with the film on. The most accurate replication of model/form will occur with film removed. The level of blocking out and fit are at the discretion of the overseeing doctor.  
Use the same equipment codes.

**Q: Can they be used as whitening trays?**

**A:** Due to the wide variety of whitening solutions and lack of FDA medical device control over them, AO is unable to make a statement regarding use of this material for whitening trays.

**Q: Can the material be cleaned by soaking - with soap or with an effervescent tab?**

**A:** No. Soaking overnight and/or with frequency may make device brittle or prone to cracking.



**Q: How should the Atmos tooth positioning material be cleaned?**

A: A simple warm water rinse upon removal from mouth should be adequate. If the patient feels the need for additional cleaning use liquid soap and a soft bristle brush. Do not use hot water as it may deform device. Soaking with a effervescent tab may make device brittle and prone to cracking.

**Q: Can the material be cleaned with mouthwash?**

A: No.

**Q: Can the material be cleaned by boiling?**

A: No.

**Q: Can the material be cleaned in a dishwasher?**

A: No.

**Q: Is this material Gluten Free?**

A: Yes.

**Q: Is this material vegan?**

A: Yes.

**Q: Can the foil bag be recycled?**

A: The foil bags are considered Plastics #7 material. Plastics #7 "recyclability" is determined by local guidelines, not a universally recyclable material. The office will need to understand the local program to determine it is an accepted material.

**Q: Can Atmos thermoforming plastic be recycled?**

A: No, this is not a recyclable plastic material.

**Q: Can this material be bonded?**

A: Initial tests indicate no; this material does not accept a bond that will hold over the expected use of device.

**Q: Can Atmos be formed on vacuum formers or pressure formers?**

A: Although Atmos can be formed on both a pressure former and a vacuum former, AO feels the results of forming Atmos with a pressure former are

# Atmos Thermoforming Plastic

## FAQ



superior.

**Q: Is Atmos FDA registered?**

A: Yes.

**Q: Is Atmos CE marked?**

A: Yes.

**Q: Is Atmos registered in Australia (TGA)?**

A: Yes.

**Q: Is Atmos licensed in Canada?**

A: No. We expect it will be by end of Q1, 2020.

**Q: What is Atmos made of?**

A: It is a PETG plastic, which stands for Polyethylene terephthalate glycol.

**Q: Is Atmos biocompatible?**

A: Atmos passed all ISO 10993 biocompatibility testing.

**Q: What is the Atmos storage recommendation?**

A: Store unopened and opened bags in a cool, dry area. AO recommends long term storage in an environment no more than 75°F and 60% humidity for significant durations of time.

**Q: What is the shelf life/storage time of Atmos?**

A: Storage conditions and expiration dates indicated on labels.

Unopened bags of Atmos Thermoforming Plastic can be stored for 3 years in the proper environment, a cool, dry location.

Opened bags will perform best if used within 3 days, though can be used much longer if stored in a cool, dry location.