ANTIMICROBIAL TECHNOLOGY

WASHINGTON PENN
An AUDIA® Company

Formulate Great.™

Protect against microbial growth.

Safeguard against microbes and combat microbial growth on polyolefin surfaces with Washington Penn's Antimicrobial Technologies. Although polyolefins are highly chemical resistant and are not a food source for microbes, there are times when the surface gets contaminated and microbial growth can occur.

At Washington Penn, we want to provide you with the right solution. That's why products with our Antimicrobial Technology are tailored to protect against your specific microbe needs such as bacteria, fungus, algae, and certain virus growth on surfaces. Applications used in healthcare, automotive, consumer and more can benefit from our antimicrobial solutions, particularly in environments where microbes can grow. Use of these technologies can reduce up to 99.9% in microbes in a two-hour period.*

If you have a specific need, **contact us** so we can better understand your required specifications and help find a solution that's right for you.

Key Characteristics:

- Antimicrobial protection
- Can be incorporated into a range of product types
  - Glass Reinforced
  - Mineral Reinforced
  - TPE
  - TPO
- Test results against Escherichia Coli and Staphylococcus Aureus

Typical Applications:

- Exposed plastic surfaces
- Device housings
- Handles
- Arm rest
- Seat backs

* This is only just a sampling of our tests

Audia Solutions

			Polymer Compatability						
Standard Grades	**Carrier**	**LDR**	**PP/PE**	**TPO/ TPE**	**ABS**	**PA**	**HIPS**	**PC**	**PET**
30-AG50	LLDPE	50:1	X	X					
30-AG100	LLDPE	100:1	X	X					
10-AG50	ABS	50:1			X				
50-AG50	PA	50:1				X			
20-AG50	HIPS	50:1					X		
60-AG50 [Clear]	PC	50:1						X	
54-AG50 [Clear]	PA	50:1							X

			Food Contact		Environmental Compliance*	
Standard Grades	**Carrier**	**LDR**	**US**	**EU**	**EU REACH**	**US EPA**
30-AG50	LLDPE	50:1	Y	Y	Y	Y
30-AG100	LLDPE	100:1	Y	Y	Y	Y
10-AG50	ABS	50:1	Y	Y	Y	Y
50-AG50	PA	50:1	Y	Y	Y	Y
20-AG50	HIPS	50:1	Y	Y	Y	Y
60-AG50 [Clear]	PC	50:1	Y	Y	Y	Y
54-AG50 [Clear]	PET	50:1	Y	Y	Y	Y

* EU Regulation 528/2012 registered. Active substance considered registered under REACH (Article 15, 1907/2006).
* EPA compliant under Treated Articles Exemption, 40 CFR 152.25(a).

Tested Effectiveness

	Application	Reduction in Microbes
Grade	**Polymer**	**In 2 hours***
30-AG50, 30-AG100	Polypropylene	99.93%
30-AG50, 30-AG100	Pro-Touch®	99.97%
10-AG50	ABS	99.92%
50-AG50	PA6	99.98%

* Test Results per ISO 22196 Testing Methodology

Can be provided as a masterbatch or polyolefin compound.

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