



General Description	UN-PL-ANTIMICROBIAL	is	an	'Antifungal-	Antibacterial'	additive
	manufactured by United N				0	
	based product specially developed for antimicrobial protection of plastic					
	materials against spoilage. It helps to prevent microbic growth which leads					
	to polymer degradation an			0,	tion and unplea	sant odor
	issues. The product meets	<u>REA</u>	<u>CH</u> sp	ecification.		

- **Composition** UN-PL-ANTIMICROBIAL is PE Wax based product with a combination of nano- and micron- size particles of metallic oxide, silver nanoparticles and surfactants.
- Typical Properties UN-PL-ANTIMICROBIAL has the following typical properties:

Property	Analysis		
Appearance	Powder		
Colour	White		
Odour	Not specific		
Specific gravity	0.98 - 1.02		
Solid %	~30%		
Drop melting point	105-120°C		

- Addition UN-PL-ANTIMICROBIAL should be added under good stirring at the dispersion stage. Good homogeneous distribution must be observed.
- Use LevelThe recommended use level of UN-PL-ANTIMICROBIAL is normally in the
range 1.0 5.0% based on the total weight of the finished product.
- **Compatibility UN-PL-ANTIMICROBIAL** is compatible with most of the polymer based raw materials. Compatibility of the above product with the application should always be checked before use.
- **Storage Conditions UN-PL-ANTIMICROBIAL** should be stored at temperatures within the range 5-55°C. Storage conditions should also be in conformance with applicable legal, fire and insurance regulations.
- Shelf LifeUnder correct storage conditions the normal shelf life for this product is 12
months.
- Safety Data Sheet MSDS is available upon request.