

# EXOstat series

## antistatic agents

Local. Global. Integrated.

## General info & uses

**EXOSTAT SERIES** – antistatic agents are able to conduct or dissipate electric charges of plastics, thereby lead to lower surface resistivity and shorten charge decay time.

### Key benefits

- Speciality masterbatches
- PE/PP/PS food packaging
- Electronics & Automotive compounds
- PVC foils & coated textile

### Key features

- Migratory type
- FDA or EU 10/2011 complied
- High performance at low loadings
- Suitable for transparent finish goods

## Liquid & internal antistats

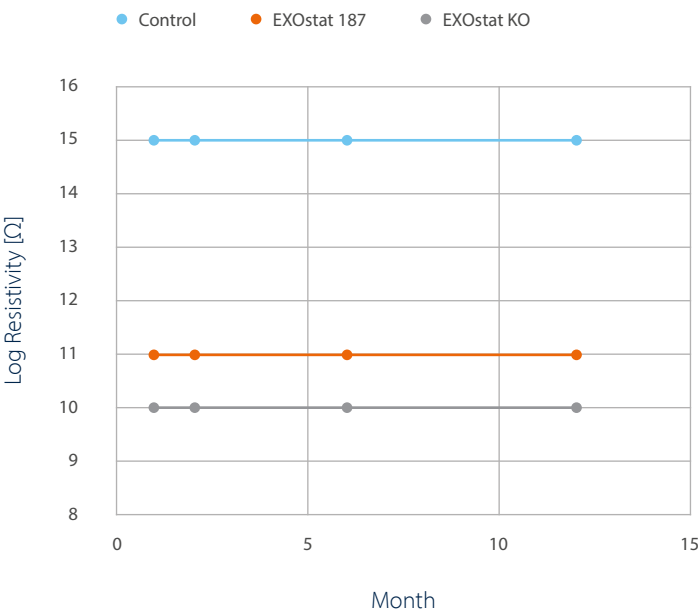
Product name	Chemical name	Dedicated polymers	Food contact
EXOstat 187	Ethoxylated fatty acid	PE (HDPE, LDPE, LLDPE), PP, PVC	FDA, Commission Regulation (EU) No 10/2011
EXOstat N187	Ethoxylated oleic acid	PE (HDPE, LDPE, LLDPE), PP, PVC	FDA, Commission Regulation (EU) No 10/2011
EXOstat KO	Cocamide DEA	PE (HDPE, LDPE, LLDPE), PP, PS (GPPS)	
EXOstat RO	Oleamide DEA Rapamide DEA	PE (HDPE, LDPE, LLDPE), PS (GPPS)	
EXOstat K	Ethoxylated quaternized cocamine	PVC, TPU	
EXOstat 1900	Proprietary	PET	FDA, Commission Regulation (EU) No 10/2011

## Other solutions internal & external application

Product name	Chemical name	Dedicated polymers	Food contact
ROKwinol 80	Polysorbate 80	PS (GPPS), PET	FDA, Commission Regulation (EU) No 10/2011
ROKAcet R40	Ethoxylated castor oil	All polymers, particularly PE, PS	FDA, Commission Regulation (EU) No 10/2011
ROKsol AZR Premium	Proprietary	All polymers, particularly PE	
ROSULfan LP	Alkylsulfates	All polymers, particularly PS	FDA, Commission Regulation (EU) No 10/2011

# Applications

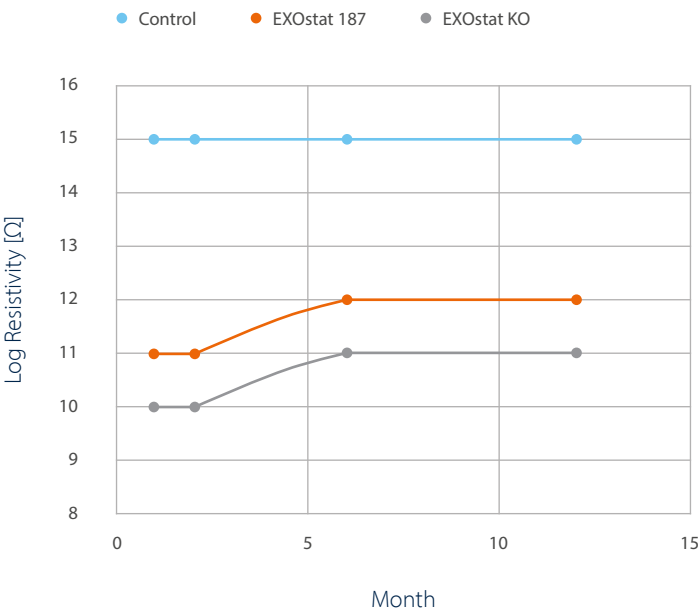
## LDPE



Dedicated product	Loading levels [%]
EXOstat 187	0.10 – 0.40
EXOstat KO	0.15 – 1.20

Antistatic effect in LDPE (**0.3% addition, 50 µm film**), 50% RH.

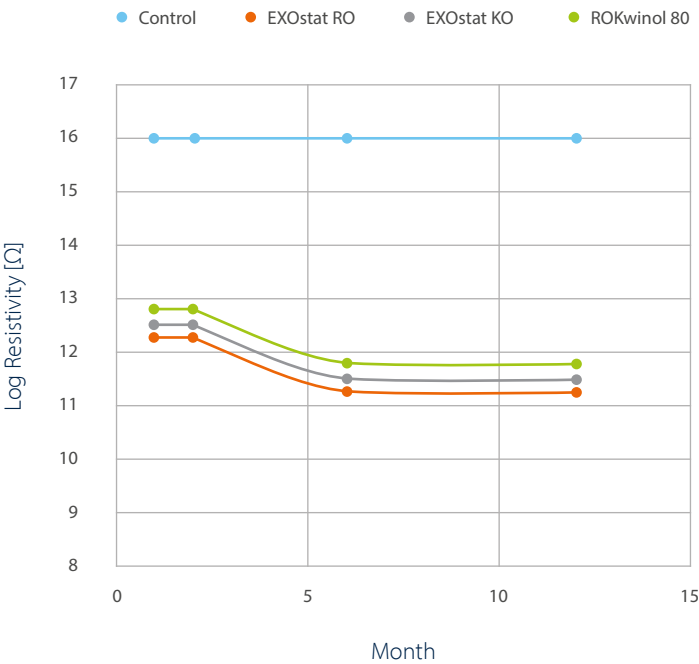
## Homogenous PP



Dedicated product	Loading levels [%]
EXOstat 187	0.10 – 0.40
EXOstat KO	0.15 – 1.20

Antistatic effect in homogenous PP (**0.3% addition, 50 µm film**), 50% RH.

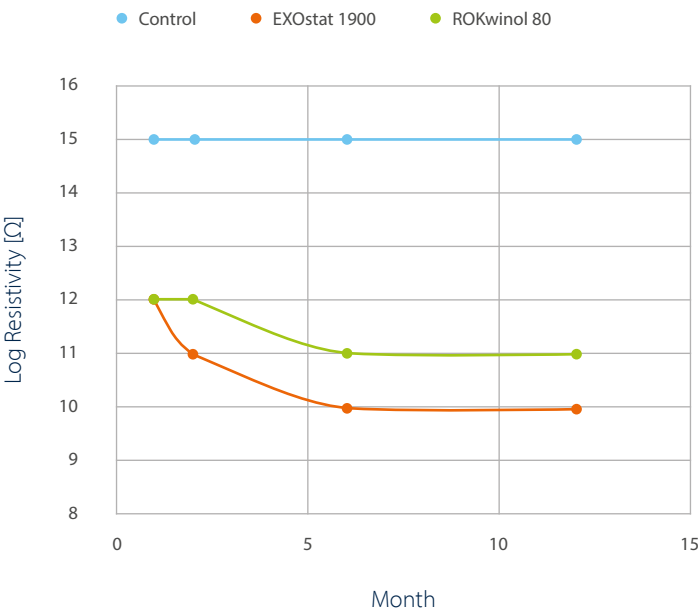
PS (GPPS)



Dedicated product	Loading levels [%]
EXOstat KO	1.50 – 2.50
EXOstat RO	1.50 – 2.50
ROKwinol 80	1.50 – 2.50

Antistatic effect in PS (GPPS) (**2.0% addition, 50 µm film**), 50% RH.

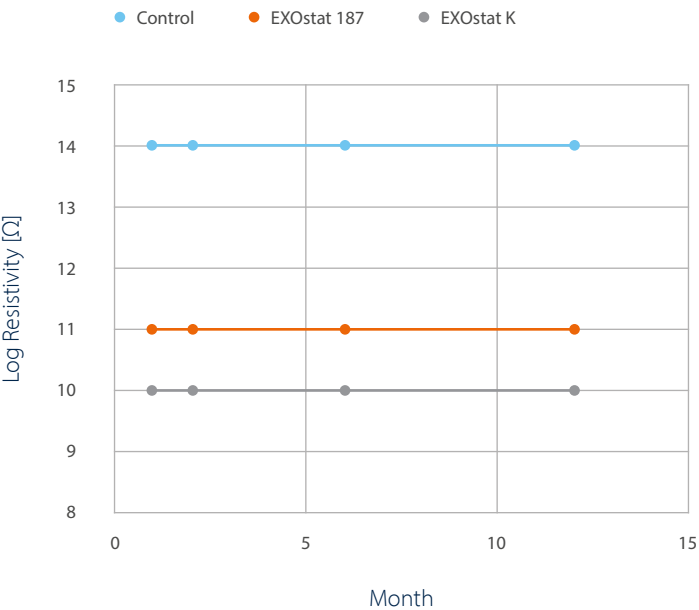
PET



Dedicated product	Loading levels [%]
ROKwinol 80	1.0 – 3.0
EXOstat 1900	1.0 – 3.0

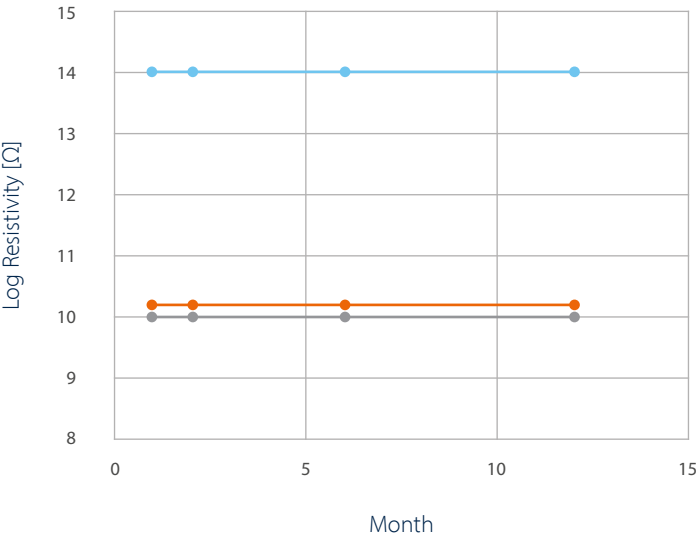
Antistatic effect in PET (**2.0% addition, 50 µm film**), 50% RH.

FLEXIBLE S-PVC



Dedicated product	Loading levels [%]
EXOstat 187	1.0 – 3.0
EXOstat K	1.0 – 3.0

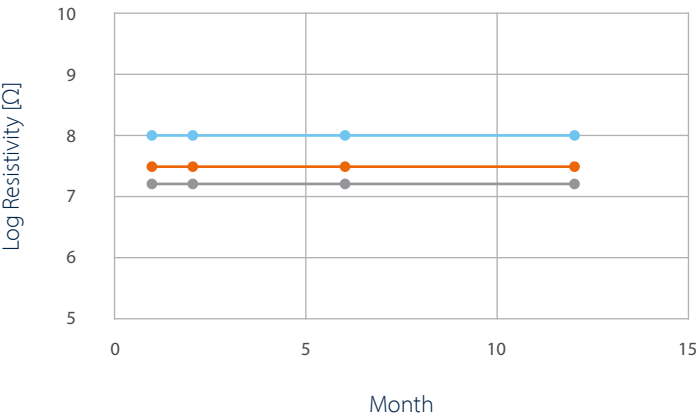
Antistatic effect in S-PVC with 70phr DOTP (**2.0phr addition**), 50% RH.



- Control
- EXOstat 187
- EXOstat K

Antistatic effect in S-PVC with 70phr DOTP (**3.0phr addition**), 50% RH.

FLEXIBLE E-PVC



- Control
- EXOstat 187
- EXOstat K

Antistatic effect in E-PVC with 50phr DOTP (**1.0phr addition**), 50% RH.

## Liquid & internal antistats

PRODUCT / POLYMER	PE	PP	PS	PET	PVC
EXOstat 187	••	••			•••
EXOstat N187	••	••			••
EXOstat KO	•••	•••	•••		
EXOstat RO		•	•••		
EXOstat K					•••
EXOstat 1900				•••	
ROKwinol 80			••	••	•
ROKAcet R40	••	•	••		

• moderate    •• good    ••• excellent









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The information in the catalogue is believed to be accurate and compiled to the best of our knowledge; however, it should be considered as introductory only. Detailed information about our products is available in TDS and MSDS.

The suggestions for product applications are based on our best knowledge.

The responsibility for the use of products in conformity or otherwise with the suggested application, and for determining product suitability for the user's own purposes rests with the user.

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