


APPLICATION BULLETIN

Cesa™ Stat Antistatic Additives
for automotive interiors

Plastics can attract dust particles, creating an unattractive smudgy film on their surface. Plastic parts in the passenger compartment develop electric charges as people get in and out of the vehicle and air circulates through the ventilating/air conditioning system.

Avient's Cesa™ Stat Antistatic Additives for automotive applications provide a permanent antistatic effect to molded parts. These high-molecular-weight additives are conductive along their full molecular chains, binding themselves to plastic in a three dimensional network, so they do not contribute to VOC emissions. The portfolio includes antistatic smasterbatches for polymers typically used in automotive interiors. The let-down ratio (LDR) can be adapted to fulfill the PV 3977* standard. Molded parts such as sunglass storage compartments or overhead consoles will look spotless and give the car interior a premium appearance.

PRODUCT NAME	SUITABLE FOR	APPLICATION	LDR
Cesa™ Stat OCA0025612	PP	Permanent reduction of dust attraction in interior	From 5% 10% to fulfill PV 3977
Cesa™ Stat OCA0025760	HIPS, ABS PC/ABS	Permanent reduction of dust attraction in interior	HIPS: 5% to fulfill PV 3977 ABS: 8% to fulfill PV 3977 PC/ABS: 10% to fulfill PV 3977

* The standard PV 3977 is a test method developed by Volkswagen to qualitatively and quantitatively define the antistatic properties of plastic parts and sample panels.

AVIENT™

Cesa Stat permanent antistatic masterbatches provide the following advantages:

- Very good processability
- Permanently active through the part service time
- Not influenced by humidity
- Wipe resistant
- Easy to print
- No influence on color; can be transparent in some polymers
- Dosage can be adapted to fulfill PV 3977
- Low VOCs

To help speed up development, Cesa Stat Antistatic Additives for automotive can support customers with electrostatic charge decay time testing, according to standard PV 3977.

Please contact your local Avient representative for more information on our solutions for the automotive industry or other applications.

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