

DuPont™ Entira™ Antistat Additives

POLYMER MODIFIERS

DuPont™ Entira™ Antistat is a line of permanent anti-static additives which confer static dissipative properties on polyolefins and other polymers.

DuPont™ Entira™ Antistat grades ensure long-lasting anti-static dissipation for your demanding packaging needs. From cosmetics to industrial goods to sensitive electronic components only Entira™ Antistat provides *permanent anti-static performance* with superb aesthetics, clarity, non-yellowing, dust free protection. Maximize the shelf appeal of your products with Entira™ Antistat only from DuPont. They are generally used at addition levels from 10 to 20%.

The following demonstrates the effect of Entira™ Antistat on dusting



Poor Static Dissipation without Entira™ Antistat

Table 1: DuPont™ Entira™ Antistat grades main attributes

	MK400	SD100
Performance at 50% RH	o	o
Performance at 30% RH	—	o
Performance at 15% RH	X	o
Processable at above 200°C	o	X
Food Contact Compliant	o	o

o yes — possible X no

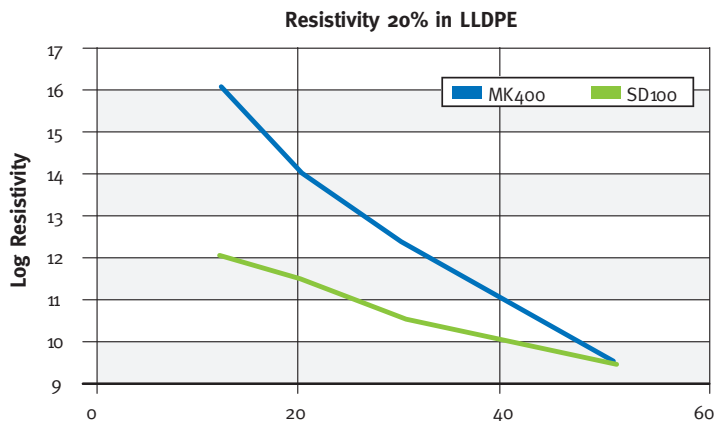
DuPont™ Entira™ Antistat grades also provide:

- Immediate action
- Transparency, and smooth surface appearance, when blended with polyolefins
- Non-yellowing in the final product
- Effectiveness in filled polyolefins
- Easy processing, can be directly added to the extruder using a dry blend
- Can be used in a discrete layer without migrating to other layers
- No known negative effects on printability, adhesion, etc.



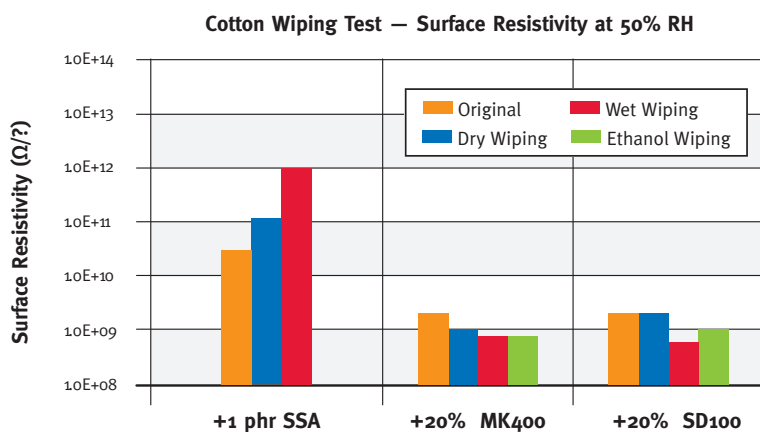
Excellent Static Dissipation with Entira™ Antistat

Chart 1:
DuPont™ Entira™ Antistat performance at different humidity



A resistivity below 10¹² meets the strictest specifications, but between 10¹² and 10¹⁴ it may be functional in controlling static properties such as dusting.

Chart 2:
DuPont™ Entira™ Antistat provides lower surface resistivity than typical Surface Active Agents (SAA)



A diffusive Antistat can be removed by wear, rubbing, and water, whereas a permanent Antistat maintains its performance.

CONTACT INFORMATION

AMERICAS

DuPont Company, BMP26-2122
Lancaster Pike & Route 141
Wilmington, DE 19805 U.S.A.
Telephone +1 302 774 1161
Toll-Free (USA) 800 438 7225
Fax +1 302 892 7390

DuPont Do Brasil, S.A.
Alameda Itapecuru, 506
06454-080 Barueri, SP Brasil
Telephone +55 11 4166 8122
Toll-free 0800 17 1715
Fax +55 11 4166 8720

ASIA / PACIFIC

DuPont China Holding Co, Ltd.
Shanghai Branch
399 Keyuan Road, Bldg. 11,
Zhangjiang Hi-Tech Park,
Pudong New District, Shanghai,
P.R. China (Postcode: 201203)
Telephone +86 21 3862 2888
Fax +86 21 3862 2889

EUROPE / MIDDLE EAST / AFRICA

DuPont de Nemours Int'l. S.A.
2, Chemin Du Pavillon Box 50
CH-1218 Le Grand Saconnex
Geneva, Switzerland
Telephone +41 22 717 51 11
Fax +41 22 717 55 00

For more information visit
www.entira.dupont.com