

CORAPLAST ANTISTATIC AS 305 and AS 125 S

Description:

CORAPLAST AS 305 AND AS 125 S are two antistatic masterbatches especially designed for the packaging market.

CORAPLAST AS 305 has only an antistatic effect and is especially useful for the production of antistatic heavy-duty bags. (0,5 % AS 305 in a 175 micron film)

CORAPLAST AS 125 S contains a long-lasting antistatic agent and adds to the films a nice SLIP EFFECT.

How to use CORAPLAST AS 305 and AS 125 S

- Used at the right addition rate, **Coraplast AS 305 and AS 125 S** will reduce the Surface Resistance down to about 10 exp.10 Ohm. at 50 % Relative Humidity. Lower RH's will require more antistatic agent and higher RH's will need less !

As antistatic agents will migrate to the surface, their speed of migration will be influenced by the addition of pigments with variable particle size. Therefore, each combination of pigment and antistatic agents must be controlled carefully.

- Also the density of the base resin will have its retarding effect on the migration speed and on the final antistatic effect.

- Addition rates :

	<u>AS305</u>	<u>AS 125 S</u>
○ Films LDPE-LLDPE	: 2,0 %	2,0 %
○ Films HDPE	: 6,0 %	6,0 %
○ Mouldings LDPE-LLDPE	: 1,5 %	1,5 %
○ Mouldings HDPE	: 4,0 %	4,0 %
○ Bottles HDPE	: 5,0 %	5,0 %

- Special remark :
Because antistatic agents have to migrate to the surface, it is necessary to modify the printing and sealing conditions :
 - Seal and print preferably in-line during extrusion.
 - Increase the corona or flame treatment.
 - Slow-down sealing speeds.
 - Use polymers without slip content.

- Some physical properties

	<u>AS 305</u>	<u>AS 125 S</u>
○ Carrier	= PE	PE
○ Moisture content	= < 0,15 %	< 0,15 %
○ Bulk Density	= 560 gr/l	560 gr/l
○ Specific Gravity	= 0,96 gr/cc	0,94 gr/cc

- Detailed information on FOOD APPROVAL is available upon request.

Packaging and Storage :

CORAPLAST ANTISTATIC AS 305 and AS 125 S are packed in 25 kg woven PP bags with liner. They can be stored during maximum 6 months at 30°C for optimum performance. Higher temperatures can reduce the storage time.

This information is correct to the best of our knowledge, but we would recommend that users make their own assessment to confirm that the material meets their requirement.