

TECHNICAL DATA SHEET

POLYBATCH[®]VLA 620 HT

POLYBATCH[®]VLA 620 HT is an anti-static masterbatch containing a long lasting anti-static agent to eliminate static charges in LDPE and LLDPE during processing and end-use applications.

POLYBATCH[®]VLA 620 HT offers the following advantages:

- * provide superior anti-static performance, meeting military specification Mil-B-81705 D when incorporated into PE (effective at very low relative humidity).

- * non-reactivity with Polycarbonate resins.

POLYBATCH[®]VLA 620 HT is a new generation anti-static masterbatch to produce anti-static film for packaging computer parts and other sensitive electronic components.

- *excellent thermal stability when compared to other products available on the market.

PHYSICAL PROPERTIES

Carrier	PE
Specific Gravity (g/cm ³)	± 0.98
Bulk Density (g/l)	± 600
Moisture Content (%)	< 0.10
Colour	Off-White pellets

These are typical properties only and are not to be regarded as sales specification.

USAGE

POLYBATCH[®]VLA 620 HT should be added from 1 to 3 % depending on the resin type and/or film thickness in order to meet the military specification Mil-B-81705 D:

- Test conditions:
 - Conditioning of film samples at 23°C and 12% RH for 3 days
 - Discharged from 5000V to 50V
- Test criterion:
 - CDT < 2 seconds
- Results (triple measurement) of a 50 µ film containing 2 % **POLYBATCH VLA 620 HT**:
 - 1.2 – 1.8 seconds

As all anti-static agents must migrate to the surface to become effective, it may therefore be necessary :

- to modify the printing and/or sealing conditions:
 - seal or print preferable in-line with extrusion
 - for better printing increase the corona or flame treatment
 - slow down sealing speeds
 - use polymers with reduced slip content
- to check carefully the final films for visual blooming before using because, when the films have been stored for a long time (> 4 weeks) at high temperatures (> 30°C) which might be encountered in tropical climates, a white deposit might occur. In that case the addition rate must be reduced to 1.5 – 2.0 % **POLYBATCH VLA 620 HT**.
- to avoid addition of high density polyethylene because this will reduce the migration behaviour of the antistatic agent, which will have a negative influence on the final antistatic properties of the film

We strongly recommend you to have your final film structure and composition tested before use according to the MIL-spec. B-81705 D in our Central Laboratory !

POLYBATCH[®]VLA 620 HT is also available in Pink.

FOOD CONTACT

POLYBATCH[®]VLA 620 HT is food contact approved. Detailed info is available upon request.

PACKAGING & STORAGE

POLYBATCH[®]VLA 620 HT is packed in special aluminium lined bags on shrink-wrapped pallets.

POLYBATCH[®]VLA 620 HT can be stored up to maximum 6 months at 25°C for optimum performance. Higher temperatures might reduce storage time considerably.

Users should undertake sufficient verification and testing to determine the suitability for their own purpose of any information or products referred to herein.

Reported values pertain only to natural resins : pigmenting may vary properties.

NOTE : While the information herein is believed to be reliable and correct, nothing herein is intended and should not be construed as a representation or warranty, expressed or implied, as to results obtained or to be obtained by others who may make use of this information or with respect to the absence, existence or validity of patent rights, if any of others involving any composition or process herein referred to ; or an inducement or recommendation for the violation of any such patent rights; and responsibility and liability therefore is disclaimed.