

ANTI-DRAG/ ANTI-SCRATCH/ PRINT PLUS ADDITIVE

Q.1) What is the composition of Anti-Drag/ Anti-Scratch/ Print Plus Additive?

- **Anti-Drag/ Anti-Scratch/ Print-Plus Additive** is based on functionalized perfect nano-spheres suitably surface treated by covalent bonds

Q.2) What is the Mechanism of Action?

- Reduces frictional resistance of film or polymer due to nano-spherical particles on the surface and improves productivity.
- **Anti-Drag/ Anti-Scratch/ Print-Plus Additive** acts as a lubricant without affecting the printability of the finished product.
- **Wax based products are incompatible** with the host polymers and they diffuse out from the melt and lubricate contact. In the process, these occupy the surface of the host product making it difficult to print and/or heat seal.

Q.3) How is Anti-Drag/ Anti-Scratch/ Print-Plus Additive superior to others?

- The product is readily miscible in the host polymer. Due to lower surface tension it diffuses to the surface during cooling. The spheres act as lubricants on the surface; the functional groups enhance printability and heat seal ability.

Q.4) Method of Use

- The addition of **Anti-Drag/ Anti-Scratch/ Print Plus Additive** is **1 %** for master batch LLDPE, PS, PBT or other polymers.
- The addition of **this master batch** is 1% in final product

Q.5) Can Additive addition in the product change its basic properties?

- It will not change the basic properties of the product.

Q.6) What is the shelf life of Anti-Drag/ Anti-Scratch/ Print Plus Additive?

- Anti-Drag/ Anti-Scratch/ Print Plus Additive has two years of shelf life from the date of manufacture under dry condition of storage at R.T.