

## PRODUCT INFORMATION DATA SHEET

# LIBSTAT-95

### Internal Antistatic Agent for Thermoplastic Polymers

**DESCRIPTION** : High Mono GMS

**SPECIFICATIONS** :

Appearance	:	White beads/Powder
Acid Value	:	3.0 Max.
Iodine Value	:	2.00 Max.
Melting Point	:	67 - 71°C

**PROPERTIES** :

- **LIBSTAT-95** is generally recognized as safe for food contact applications.
- High polarity permits lower usage levels in Polyolefins
- Rapid action - effective antistat
- Outstanding thermal stability
- No yellowing/discoloration
- Ensures fast mould filling
- Reduced cycle times
- Easy release

**APPLICATIONS** : **LIBSTAT - 95** is one of the most important and widely used Antistatic agent. **LIBSTAT - 95** is a new generation, high activity Nitrogen free Antistat/Lubricant, specially effective in providing static electricity control in a large variety of Thermoplastic Polymers like Polypropylene, Polyethylene, Polyvinyl Chloride etc.

**SUGGESTED USE LEVELS:**

0.1% to 0.5 % for LDPE/LLDPE films  
0.2% to 0.5 % for PP films  
0.3% to 2.0 % for PP injection / HDPE moulded items.  
0.5 % to 1.0 % for EPS moulding.  
0.5 % to 1.0 % for Plasticized PVC  
3.0 % to 5.0 % for Rigid PVC

**PERFORMANCE OF LIBSTAT- 95 IN VARIOUS PLASTIC**

POLYMER	USE LEVEL	SURFACE RESISTIVITY (ohms)*
LLDPE	0.2 %	$3.10^{10}$
LDPE	0.5 %	$2.10^{10}$
HDPE	1.5 %	$2.10^{11}$
PP (Homopolymer)	2.0 %	$7.10^9$
Rigid PVC (Tin stabilized)	3.0 %	$2.10^{11}$
Rigid PVC (Ca-Zn stabilized)	2.0 %	$4.10^{10}$