



Kinetic Polymers

(AN ISO 9001 - 2015 Certified Company)

D-13/2, Phase-1, Road No. 3, IDA., Jeedimetla, Hyderabad - 500055. INDIA

Phones : 7207078344, Mobile : 9246208277, 7331141820

Email : kineticpolymers@gmail.com / Website : www.kineticpolymers.com / sales@kineticpolymers.com

GSTIN : 36AARFK9187B1ZU | MSME No. TS20A0004409 | UDYAM-TS-02-0024846



Antistatic Masterbatch

Grade	Code	Dosage Level	Surface Resistance Values in Ohms
Regular Grade (Short Term)	KP-AS-10105	3%, 4% to 5%	10^{10} to 10^{11}
Special Grade (Long Term)	Kp-AS-4400	3%, 4% to 5%	10^7 to 10^{11}
Permanent Antistatic	KP-AS-7	5% to 6%	10^9 to 10^{11}

To get a better properties :

- 1) **Use LDPE Grade Graduals >75%**
- 2) **Slow Speed**
- 3) **Carona Discharge**
- 4) **High Humidity**
- 5) **For 100 microns 4% is good starting point**
- 6) **High Humidity requires less masterbatch**

- **like Summer – 5% to 6%**
- **Winter – 4% to 5%**
- **Raining day – 3% to 4%**

Instrument are used:

- **Surface Resistivity Meter**
- **Static Charge Meter**

Note: Normal Plastic – Surface Resistance Value : 10^{12} to 10^{13} Ohms / Sq inch
Static Charge Value: ≥ 5 kv to 10 kv

Antistatic Plastic - Surface Resistance Value : 10^9 to 10^{11} Ohms / Sq inch
Static Charge Value: ≤ 0.5 kv

Using Standards : ANSI ESD S20.20-2007 - 100 Volts test voltage
ASTM D 257 - 500 Volts test voltage