Long-term Amine-free Anti-static Additives

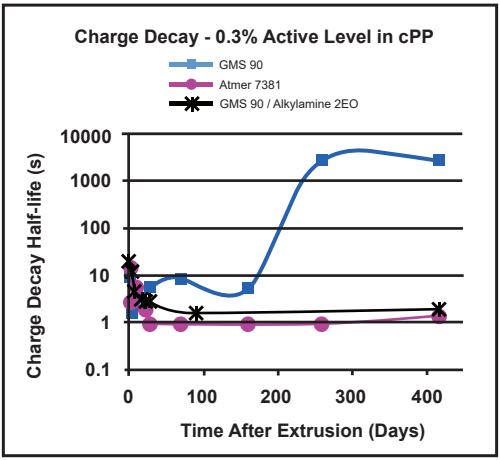
Smart Materials

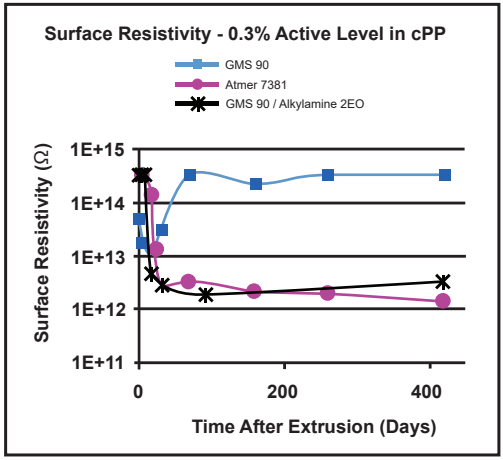
Amine based anti-static additives have many limitations including regulatory issues when used in food contact or medical grade plastics, and because of this, amine-free anti-static solutions are often preferred. GMS 90 is a commonly used amine free anti-stat, however the performance of this product tails off meaning it is suitable only for when short-term performance is needed.

Croda have developed a range of anti-stats that are amine-free and show long-term performance in a range of different polyolefins.

Polypropylene

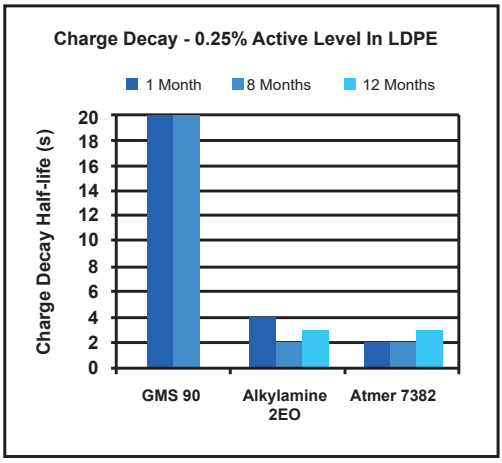
Atmer 7381 is a 40% active amine free anti-stat in a PP carrier that gives long term anti-static performance in polypropylene applications. The charts below show some of the results found in polypropylene copolymer, compared against an industry standard GMS 90 and a GMS 90 / 2EO alkylamine blend.

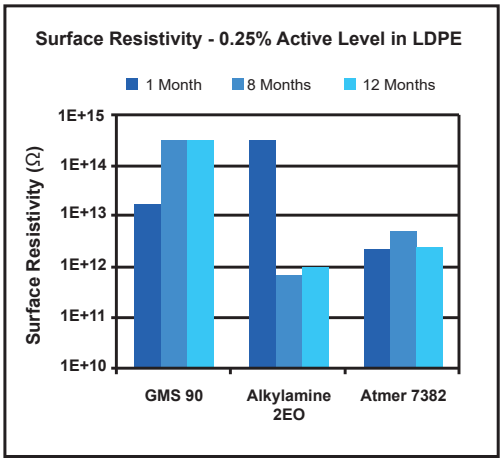




Polyethylene

Atmer 7382 is a 30% active amine free anti-stat in a PE carrier that gives long term performance in polyethylene applications. The charts below show our results produced in LDPE film compared against industry standards GMS 90 and 2EO alkylamine.





Atmer 7381 and 7382 are food approved in Europe under 10/2011. Please contact us for more details.

For more information please visit: www.crodapolymeradditives.com

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