

IonPhase IPE PE0108M FCC

Food contact approved High Performance Permanent Antistat (EU, 2007/19/EC)

IonPhase Oy, Finland, is launching its high performance Inherently Dissipative Polymer (IDP) that has passed the 2007/19/EC directive for food contact. This grade is designed for PE blown film extrusion .

ESD challenges in the Food Industry:

- Process control and quality problems: Static electricity can force companies to run their machines at slower speeds.
 - Product adhesion on packaging sides
 - Film wrapping around rollers
 - Misbehaviour during wrapping process (film sticking to itself)
 - Film Conveying and palletising (film sticking to itself or conveyor)
 - Labelling (mis-registering due to film sticking)
- Dust attraction and contamination: Dust adhesion on film; contamination of packaged food leads to high scrap rates.
- Operators shocks : Increase subsequent hazards due to shock disorientation.

IonPhase® IPE® Food Contact Antistatic solutions:

- IPE PE0108M FCC matches all characteristics requested by the European Directive 2002/72/EC, 2004/19/EC, 2004/1/EC, and 2005/79/EC for plastics used in food-contact applications.
- IPE PE0108M FCC can be used to manufacture articles in compliance with the general requirements (in Article 3) of Regulation (EC) 1935/2004.
- We have conducted OML (Overall Migration Limit) tests on films made out of our IPE, and OML are below the regulatory limits (less than 10mg/dm²). Tests were done for all stimulants A, B, C, D for 10 days at 40 °C.
- SML (specific Migration Limits) for specific components are also below limits.
- We have set up a GMP (Good Manufacturing Practice) together with our ISO certification that ensure the quality control of the supplied granulates.

Using IPE PE0108M FCC in your film brings you the following benefits:

- ✓ Increase output film production through increased film process speed
- ✓ Improved film wrapping quality
- ✓ Improved film conveying
- ✓ Improved scarp rates through reducing contamination
- ✓ Improved overall film quality
- ✓ Improved working conditions and safety for operators leads to higher productivity

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