

MetPro VCI MASTERBATCH

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WHAT IS METPRO VCI MASTERBATCH ?

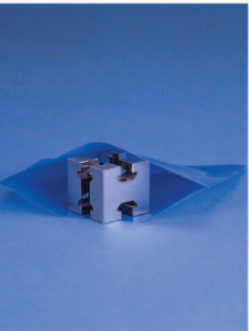
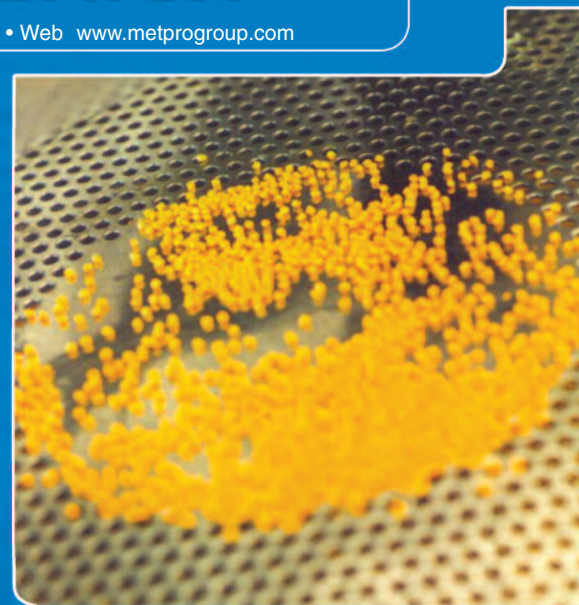
METPRO Vapour Corrosion Inhibitor (VCI) masterbatches are chemical concentrates in pellet form. VCI Masterbatch can be blended with many polyethylene resins (LDPE/LLDPE/HDPE/PP) to form a broad range of anti-corrosion packaging systems.

HOW DOES METPRO VCI MASTERBATCH WORK ?

When MetPro VCI Masterbatch is incorporated into a polymer system, the finished product offers corrosion protection by releasing vapours which form a monomolecular protective layer on the surface of metal to be protected. This protective layer remains until the package is opened and then evaporates leaving a clean metal surface.

WHY USE METPRO VCI MASTERBATCH ?

- It provides effective corrosion protection to a wide range of metal types.
- Its versatility allows it to be used in a wide range of polymer systems.
- Our in-house R&D team can formulate to individual customers specific requirements.
- MetPro VCI Masterbatch is clean & very easy to use & handle.
- Using MetPro VCI Masterbatch reduces the need for additional oils, greases & desiccants
- Once unpacked the metals do not require additional cleaning or degreasing



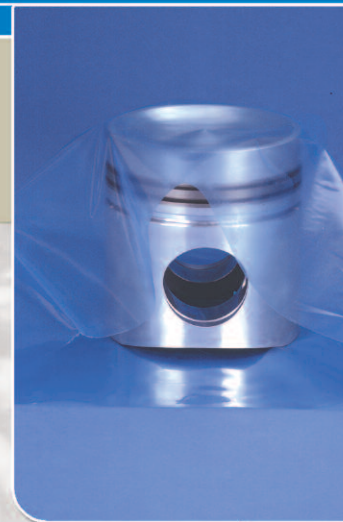
CHOOSING THE RIGHT GRADE OF METPRO VCI MASTERBATCH * * *

MetPro provides both Ferrous and Non-Ferrous VCI Masterbatch types.

Our Ferrous range will offer protection to Mild Steel & Galvanised Steels only. MetPro Ferrous masterbatch provides protection for: Mild steel, Aluminium, Copper, Galvanised Steel, Cast Iron and Tin Plate.

In addition to our standard range of products, MetPro can also formulate speciality masterbatch to suit specific metal types or difficult application types: Cast Iron Specific, Amine Free, Cast Stretch Masterbatch

Products produced from MetPro VCI Masterbatch have been tested in accordance with TL81350002 and MIL-PRF-22019E.



*** Results are based on 100 micron LDPE film with VCI Masterbatch dosed at LDR 6%. All VCI Films are tested in accordance with TL81350002. Customers are advised to conduct field trials to ensure the suitability of the product in the end-use application. We would recommend that extruders use only Virgin Polymers and not re-cycled Polymers.

MetPro VCI MASTERBATCH



PROCESS APPLICATIONS OF METPRO VCI MASTERBATCH

- Blown VCI Film
- Cast VCI Film
- Stretch VCI Film
- VCI Skin Films
- Woven VCI Fabrics
- Injection Moulded Applications

HEALTH & SAFETY

- MetPro VCI Masterbatch is Nitrite & Heavy Metal Free.
- All ingredients have been independently tested and are suitable for in-direct food contact.
- VCI Films containing MetPro VCI Masterbatch have been tested for skin irritation and were found to be non-irritant
- MetPro VCI Masterbatch is non-toxic, environmentally friendly & recyclable.

PACKAGING

All MetPro VCI Masterbatch grades are packed in either 8 or 24 Kg units. The VCI Masterbatch is protected by using a PET / ALU / oPA / PE laminated gusseted bag which acts as a complete water, oxygen and light barrier.



HANDLING & STORAGE

We recommend that the VCI Masterbatch is stored indoors in an area which is clean, dry and not subject to significant fluctuations in temperature. When stored in original packing the product has a shelf life of maximum 2 years. Once opened the bag should be resealed tightly to avoid moisture ingress.