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## PRODUCT DATA SHEET

# M-121 PP

FUNCTION	APPLICATION	FORM
Corrosion Inhibiting Additive for Polypropylene	Packaging	Plastic Pellets

## PRODUCT DESCRIPTION

M-121 PP is a new VCI Masterbatch that contains the same patented volatile corrosion inhibitors as those found in VCI-126 MP Masterbatch and film. A multimetal formulation that has proven to be effective in protecting all metals is combined with polypropylene (PP) resin in compounding a new VCI Masterbatch pellet. This product is added to the film resin on the extruder to provide a new class of film products.

A number of packaging applications can only be satisfied with polypropylene film. Taking advantage of this film's toughness, clarity and vapor barrier properties in packaging of metal or in use with reactive metal parts can now be satisfied with this new masterbatch from Cortec Corporation. Application of this masterbatch in a blown PP film run will produce a finished product that combines both the PP resin properties and the VCI corrosion inhibitors that have proven ability to solve corrosion problems.

## PRODUCT APPLICATION

M-121 PP is blended at the extruder at 10% - 20% by weight ratios to produce a finished film that will have superior corrosion properties. The length of protection anticipated by PP film containing VCI-121 Masterbatch is a minimum of 2 years, but can be extended to 5 years with addition of 20% by weight MP-121 PP masterbatch.

In most cases, a trial run of this new masterbatch is suggested with virgin resin and color additives. This masterbatch is then given a production trial and any modifications are made to provide additional properties that are needed. After all laboratory and production experience has been applied to solving the product requirements, it is recommended field tests be conducted before regular production.