



PERFORMANCE TECHNICAL REPORT

Mold (Non-stick) Release Coatings

General Information

Mold release coatings are formulated with a thermoplastic resin, which adheres to metal components. It enhances the durability characteristics, while achieving an excellent non-stick coating. In conjunction with the release properties, the coatings have good chemical resistance to many chemicals. They may be used on sealing bars (used in melting plastic film in packaging operations), which require a constant heat to seal plastic. Sealing bars are notorious for having problems with plastics sticking to the heating elements and limiting the life of the part. Mold release coatings achieve as much as four times the life from a single application.

Parts may be new or used. Application may be made to parts which have previously been coated to increase the life of the part.

These coatings are recommended for use, but not limited to, plastic molds, extrusion equipment, sealing bars, valves, or processing equipment which requires good chemical resistance, elevated temperatures and excellent release properties.

The coating is post-formable and can withstand up to 35 to 50% elongation. This increases the applications in which it may be used.





PERFORMANCE TECHNICAL REPORT

Product Specifications

Film Thickness:	0.6 to 0.8 mils (0.01524 to 0.02032 mm) per coat layer
Operating Temperature:	500°F (260°C) Continuous 600°F (316°C) Intermittent
Application:	Conventional spray techniques
Hardness:	1H – 2H
Chemical Resistance:	Organic and Inorganic Acids Organic and Inorganic Bases Solvents Alcohols Ketones Aldehydes
Corrosion Resistance:	Capable of withstanding 1000 – 4000 hours in various concentrations of salt spray.
Cure:	Conventional ovens Infrared ovens

For more information please visit our website at www.hpcoatings.com or call our technical support department toll free at 1(800)456-4721.