

# NANO MOLD COATING

## Nanomoldcoating® - Heat Cure



### HC™ Heat Cure

HC™ Heat Cure is a scientifically formulated coating that uses polymer technology to create a semi-permanent barrier on the surface of a mold which is only 100 nanometers in thickness and facilitates extraordinary plastic or rubber part release. HC coating is designed to be applied when the mold is out of the press.

#### Features

- Excellent Release
- Thermosets
- Thermoplastics
- Commodity Grades
- Engineering Grades
- Cure time 3-4 hours
- Cured with hot air
- Application on an unheated surface
- Application best when not in the press and on an unheated mold
- Limited ability to bond to plated or pretreated surfaces
- Multiple coats are possible
- Solvent Carrier
- Polymer Film
- Up to 500K Cycles
- Temperatures up to 1000°F

#### Properties

- Maximum operating temperature 540°C
- Maximum number of operating cycles 500 000
- Film type Polymer film
- Application on surface Cold surface
- Cure method Apply hot air
- Cure time 3-4 hours
- Food grade HCF model is approved by FDA 21 CFR section 175.300  
HC model is not.