

# Technical Data



## TRU-MOTION™ H3592H PRE-CATALYZED MDI BINDER

TRU-MOTION™ H3592H is a single component polyurethane adhesive. It is formulated using polyphenyl polymethylene polyisocyanate (MDI) exclusively. This eliminates the toxicity problems usually associated with toluene Diisocyanate (TDI) adhesives. TRU-MOTION™ H3592H contains no solvents.

### PHYSICAL PROPERTIES:

Density	8.9 lb/gal
Viscosity @ 78°F 20 rpm, cps	3260 cps
%NCO	4.15%
Tensile, psi	1711 psi
Elongation, %	458%
Die C Tear, pli	186 pli

### PROCESSING DATA:

TRU-MOTION™ H3592H cures by reaction with moisture. In applications where moisture content is low, up to 2% water based on binder can be added to the mix of particles and adhesive and the mix immediately transferred to set up area. Care must be used so the mix does not set up before it is transferred out of the mixing container. Alternately, a sprinkle of water on the mix in the set up area will speed curing.

The level of TRU-MOTION™ H3592H used is dependent upon several factors:

1. As the particle size of the granules increases the amount of TRU-MOTION™ H3592H may be decreased, because there is less surface area to be wetted out by the binders.
2. As the density of the molded part is increased, the amount of binder used may be decreased, as the greater compression forces the particles into closer contact.  
The normal level of TRU-MOTION™ H3592H used will vary from 5 to 25%.

### CAUTION:

TRU-MOTION™ H3592H contains a polymeric isocyanate. Protect opened containers from moisture. Consult the SDS for proper handling precautions.



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