



Environmentally Safe Polymers, Inc.

Technical Data

Updated 11/2004

POLYMOLD #40 SERIES URETHANE RIGID MOLDING SYSTEM

PRODUCT DESCRIPTION AND USAGE:

PolyMold #40 Series is a two component, all-water blown, multi-purpose, rigid urethane molding system.

PHYSICAL PROPERTIES

FREE RISE DENSITY:

ASTM D-1622 pcf
Available in 4 lb. to 50 lb.

COMPRESSIVE STRENGTH:

ASTM D-162
Parallel: Contact E.S.P. w/density req.
Perpendicular: Contact E.S.P. w/density req.

DIMENSIONAL STABILITY

% Volume Changed:

ASTM D-2126
100% R.H. @ 100°F.
14 days 0.04
28 days 0.53

LIQUID PROPERTIES

VISCOSITY @ 25°C (Brookfield):

Poly Component: 2500 cps
Iso Component: 250 cps

APPLICATION

MIXING:

By volume: 50% part "A" to 50% part "B".
By weight: 1.1 parts "A" to 1 part "B".

HAND MIX REACTIVITY @ 20°C:

Mix time: 30 seconds
Cream time: 10 minutes
Gel time: 20 minutes
Tackfree time: 20 minutes

Our data is based on information from lab and field testing which we believe to be reliable and accurate. Environmentally Safe Polymers, Inc. makes no warranties, expressed or implied of the products use or its results, and assumes no obligation or liability in connection therewith.