



CONOPTIC® DM-1010
Formerly DPDM-25751

GENERAL DESCRIPTION

CONOPTIC® DM-1010 is a two-component polyurethane, 1:1, casting material designed for doming applications.

RESIN PROPERTIES (Part A)

Viscosity @ 25°C 1600-1700cps
Specific Gravity 1.05
Color Clear

HARDENER PROPERTIES (Part B)

Viscosity @ 25°C 600-700 cps
Specific Gravity 1.04
Color Clear

PROCESSING PARAMETERS

Mix Ratio by weight, Resin/Hardener 100/100
Mix Ratio by volume, Resin/Hardener 1.00 : 1.00
Initial Mixed Viscosity @ 25°C 1200-1300
Gel Time @ 25°C, 150 gm mass 8-11 min
Full Cure @ 25°C, for maximum properties 7 days

TYPICAL CURED PROPERTIES

Color Clear
Hardness, Shore A 77-83A
Tensile ,psi 3200
Tear 144
Elongation 210

HANDLING AND STORAGE INSTRUCTIONS

CONOPTIC® DM-1010 has a shelf life of 18 months from date of manufacture when stored in the original unopened containers at 70°-85°F. Containers should be flushed with dry nitrogen or CONAP® Dri-Purge, each time they are opened, unless the contents are used within one day.

CAUTION:

Responsible handling of Cytec Industries Inc. products requires a thorough preview of safety, health and environmental issues prior to use. Review the Material Safety Data Sheets(s) for the specific Cytec Industries Inc. product(s) and container label information before opening containers. Ensure that employee exposure issues are understood, communicated to all workers, and controls are in place to prevent exposures above Permissible Exposure Limits (P.E.L.'s). Review safety and environmental issues, to be certain controls are in place to prevent injury to employees, the community, or the environment, and assure compliance with all applicable Federal, State, and Local laws and regulations. For assistance in this review process, please call your Cytec Industries Inc. representative or our office noted below.

"CONOPTIC" is a registered trademark of Cytec Industries Inc.

The information presented here is based on carefully conducted laboratory tests and is believed to be accurate. However, results cannot be guaranteed and it is suggested that customers confirm results in their own laboratory before plant tests are made. Nothing contained in this bulletin shall be construed as a recommendation to use any product or process in violation of the claims of any patent now in effect.
NOTICE: Precautionary labels and Materials Safety Data Sheet(s) for all materials referred to, whether the materials are produced by Cytec Industries Inc. or other manufacturers, should be fully read and understood by all supervisory personnel and employees before using. For additional safety and health information, contact Cytec Industries Inc. Purchaser has the responsibility for determining any applicability of and compliance with federal, state, and local laws and/or regulations involving labeling, use, and waste disposal, particularly in making consumer products.