



## TECHNICAL DATA SHEET

### PremARCTM Molding 100 Urethane Binder

#### Description

PremARCTM Molding 100 isocyanate is a single component, catalyzed moisture curing, MDI based prepolymer suitable for the prefabricated molded surfacing using recycled rubber or EPDM granules and can also be used to bind and cork Granules or mixtures of cork and rubber. PremARCTM Molding 100 isocyanate demonstrates faster demold times than conventional moisture cure binders.

#### Application

##### **COVERAGE/USAGE**

Depending on application, PremARCTM Molding 100 can be cured by moisture either from the addition of water or steam. Consult with American Recycling Center, Inc. Sales Representative whenever conditions of very high or low temperatures and/or and or very high or low relative humidity are present or anticipated.

##### **UV Stability**

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color's or when used in tandem with rubber granules of lighter or more vibrant shades. Mechanical properties are not impacted. (laboratory and field testing are strongly recommended)

#### STORAGE

Binder must be protected against humidity and stored above 60 °F. The ideal storage temperature is in the range of 60-77 °F. Higher storage temperatures over a longer period of time can shorten the shelf life. At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened drums or totes should be used quickly.

#### Precaution

Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized. For any additional information, please consult your American Recycling Center, Inc. sales representative.

*please read the SDS carefully before use.*

#### Typical Properties

Appearance		Amber	visual
NCO Content	%	14.1	ASTM D5155
Viscosity, 25°C/77°F	Cps.	1385	ASTM D4889
Specific Gravity,			
25°C/77°F		1.14	ASTM D891
Elongation	%	470	ASTM D412A
Tensile	psi	3400	ASTM D412A

\*these are typical values and should not be construed as specifications

#### Handling

Wear proper protective equipment at all times. Avoid contact with skin and eyes. In the event of eye contact, flush eyes thoroughly with water and seek medical attention. Consult SDS before handling and observe all recommended safety and handling practices. Pressure can build up in new and previously opened containers, open all containers carefully. Protect open containers from moisture. Dispose of contaminated materials and empty containers in accordance with Federal, State, and Local regulations.

#### Customer Notice

ARC encourages its customers to review their application of ARC products from the standpoint of human health and environmental quality. To help ensure that ARC products are not used in ways for which they were not intended or tested, ARC personnel will assist customers in dealing with ecological and products safety. Your ARC sales representative can arrange the proper contacts.

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**NOTICE:** The information and data contained herein do not constitute sales specifications. The product properties may be changed without notice. No liability, warranty or guarantee of product performance is created by this document. It is the Buyer's responsibility to determine whether ARC products are appropriate for Buyer's use and to ensure that Buyer's workplace and disposal practices are in compliance with applicable laws and regulations. No freedom from any patents owned by ARC or other industrial or intellectual property rights is granted or to be inferred.

AMERICAN RECYCLING CENTER, INC.



655 WABASSEE DRIVE  
OWOSSO, MI 48867  
PHONE – 989-725-5100



# American Recycling Center, Inc

655 Wabasse Drive, Owosso, MI 48867  
(989) 725-5100 [www.americanrecycling.com](http://www.americanrecycling.com)