

**Advanced Materials****RenCast® 6497 System / Ren® 6497 System**

## FLEXIBLE POLYURETHANE SYSTEM

**DESCRIPTION :**

RenCast® 6497 System /Ren® 6497 System, a non-mercury, flexible polyurethane system. This product is a new development in the family of RenCast® fast polyurethanes, which have been specially formulated to have an interesting combination of long work time (gel time) and short demolding time. RenCast® 6497 System is designed to produce rubber-like parts with flexibility and hardness of 70 Shore A.

**APPLICATIONS :**

- Handcasting
- Vacuum Casting
- Pressure Pot Casting

**ADVANTAGES :**

- Contains no mercury catalyst
- Convenient mix ratio
- Can be used in a broad range of processes
- Neutral color makes this system pigmentable

**MIXING INSTRUCTIONS :**

Reaction Ratio 100R to 100H by weight

**TYPICAL MIXED PROPERTIES:**

Color	Light Amber
Reaction Ratio, by weight	100R/100H
Gel Time 150 gm mass	4 - 5 min
Demold Time (depending upon part Thickness and geometry)	2 hours @ RT

**TYPICAL CURED PROPERTIES:**

Cured Color	Light Amber
Hardness	70 Shore A
Tensile Strength	995 psi
% Elongation at Break	372%
Tear Strength	152 ppi

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**HANDLING :**

This product is moisture sensitive and packaged under a blanket of dry nitrogen. Maintain factory seal. After use reblanket with nitrogen and tightly reseal. This product may crystallize upon storage. If crystallized, vent container and heat to 125° - 145°F until crystals dissolve. Stir well after product has liquefied. If heating of products in plastic packaging is necessary, heat in a ventilated oven to 145°F maximum. Before heating loosen the container lid slightly to relieve any pressure buildup and place container to be heated into a metal bucket of sufficient volume to contain the product, should the container tip over or leak. Work in a well ventilated area and use clean, dry tools for mixing and applying.

Combine the resin and hardener according to mix ratio, mix together thoroughly and use immediately after mixing. Material temperature should not be below 65°F (18°C) when mixing.

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**PACKAGING :**

Please call Customer Service (888) 564-9318 for price and availability

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**STORAGE :**

RenCast® 6497 System /Ren® 6497 System should be stored in a dry place, in the sealed original container, at temperatures between +2°C and +40°C (+35.6°F and 104°F). Under these storage conditions, the shelf life is 1 year. The product should not be exposed to direct sunlight.

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**PRECAUTIONARY STATEMENT :**

Huntsman Advanced Materials Americas LLC maintains up-to-date Material Safety Data Sheets (MSDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest MSDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

**First Aid!**

Refer to MSDS as mentioned above.

**KEEP OUT OF REACH OF CHILDREN  
FOR PROFESSIONAL AND INDUSTRIAL USE ONLY**

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