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**TYPICAL CURED PROPERTIES :**

<b>Property</b>	<b>ASTM Test Method</b>	<b>Test Values <sup>(1)</sup></b>
Cured Density, g/cc	D-792	1.14
Izod Impact (ft-lb/in of notch)	D-256	0.49
Hardness (Shore D)	D-2240	72
Ultimate Compressive Strength (psi)	D-695	6,000
Compressive Modulus (psi)	D-695	142,000
Ultimate Flexural Strength (psi) Procedure A	D-790	5,800
Flexural Modulus (psi) Procedure A	D-790	143,000
Ultimate Tensile Strength (psi) @ 0.2"/minute, Type 1	D-638	3,800
Tensile Modulus, psi @ 0.2"/minute, Type 1	D-638	149,000
Ultimate Elongation, % @ 0.2"/minute, Type 1	D-638	5.3
Tg per DMA, °F (°C)	D-4065	279 (137)
Coefficient of Thermal Expansion per TMA (-30 °C to 30 °C) in/in/°F	D-3386	7.1 x 10 <sup>-5</sup>
Coefficient of Thermal Expansion per TMA (20 °C to 100 °C) in/in/°F	D-3386	7.8 x 10 <sup>-5</sup>
Deflection Temperature (264 psi) °F (°C)	D-648	165 (74)

<sup>(1)</sup> Tested @ 77 °F (25 °C). Cure Schedule : 7 days @ room temperature

**Note :** These physical properties are reported as typical test values obtained by our test laboratory. If assistance is needed in establishing product specifications, please consult with our Quality Control Department.

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**PACKAGING :**

<b><u>Unit</u></b>		<b><u>Size</u></b>
Cartridges		200 milliliters
1 Gallon	Working kits	12.4 pounds
5 gallon	Resin	24 pounds
	Hardener	40 pounds
Drum	Resin	270 pounds
	Hardener	450 pounds

Please call Customer Service (800-367-8793) for price and availability.

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**STORAGE :**

Store at 70 to 90 °F. This product is moisture-sensitive and packaged under a blanket of dry nitrogen. Maintain factory seal, after use re-blanket with dry nitrogen and tightly reseal.

Provided this material is stored under the recommended storage conditions in the original container, it will remain in useable condition for six months from date of shipping.

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**HANDLING :**

Stir well before use. This material will separate.

Work in a well-ventilated area and use clean, dry tools for mixing and applying. For a two-component system, 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.

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.

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.

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**SAFETY/HANDLING PRECAUTIONS :**

Do not use or handle this product until the Material Safety Data Sheet has been read and understood.

**RP 6456 Resin**

**WARNING.** Harmful if inhaled. Causes skin and eye irritation. Cause allergic skin and respiratory reaction.

Avoid contact with eyes, skin and clothing.  
Avoid breathing vapor or mist.  
Avoid prolonged or repeating contact with skin.  
Keep container closed.  
Use with adequate ventilation.  
Wash thoroughly after handling.

**RP 6456 Hardener**

**WARNING.** Harmful if swallowed. Causes skin and eye irritations.

Avoid contact with eyes, skin and clothing.  
Wash thoroughly after handling.

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**FIRST AID :**

In case of contact with :

**Skin :** Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes.

**Eyes :** Immediately flush with water for at least 15 minutes. Call a physician.

**Ingestion :** If conscious, give plenty of water to drink. Do not induce vomiting. Call a physician.

**Inhalation :** Remove to fresh air. Administer oxygen or artificial respiration if necessary. Call a physician.

**Other :** Referral to physician is recommended if there is any question about the seriousness of any injury.

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**PRECAUTIONARY NOTE :**

Thermosetting systems generate heat when curing. The amount of heat and the period of time in which heat is released vary significantly between systems. Additionally, ambient or compound temperature, amount of material mixed, and construction and shape of the mold or container can also be factors in the temperature profile of a mixed system. In some cases, the thermosetting reaction can be vigorous, generation heat sufficient to cause decomposition of the system with subsequent liberation of large volumes of acrid smoke.

A good rule of thumb is never mix more material than can be applied during the stated pot life or gel time. Also take care when using materials in applications other than stated on the product Data Sheet, i.e., a laminating resin for casting.

Please feel welcome to call our Product Information Department or your local Ren representative for instructions before you start your job.

**Caution** To protect against any potential health risks presented by our products, the use of proper personal protective equipment (PPE) is recommended. Eye and skin protection is normally advised. Respiratory protection may be needed if mechanical ventilation is not available or is insufficient to remove vapors. For detailed PPE recommendations and exposure control options consult the product MSDS or a Huntsman EHS representative.

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**IMPORTANT LEGAL NOTICE**

Huntsman Advanced Materials warrants only that its products meet the specifications agreed with the user. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications.

The manufacture of materials is the subject of granted patents and patent applications; freedom to operate patented processes is not implied by this publication.

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Products may be toxic and require special precautions in handling. The user should obtain Safety Data Sheets from Huntsman Advanced Materials containing detailed information on toxicity, together with proper shipping, handling and storage procedures, and should comply with all applicable safety and environmental standards.

Hazards, toxicity and behavior of the products may differ when used with other materials and are dependent on manufacturing circumstances or other processes. Such hazards, toxicity and behavior should be determined by the user and made known to handlers, processors and end users.

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