

## IsoMold URP 5122

IsoMold URP 5122 is used to make molds of detailed masters that do not contain undercuts. Some of the most common uses of IsoMold URP 5122 are diaphragms, dust boots, gaskets, liners, flexible molds, foundry patterns, wear pads, and concrete stamp pads. IsoMold URP 5122 is a two-part polyurethane molding system. IsoMold URP 5122 is mixed one-to-one by volume and cures at room temperature to a hard (shore A70±2), dark amber rubber.

\*Values given are not intended to be used in specific preparation

### Component Properties

Color - ISO	light amber
Color - POL	opaque red
Specific Gravity - 74°F, ISO	1.088
Specific Gravity - 74°F, POL	1.046
Viscosity - ASTM D-2196 - 74°F, ISO	2200 cps
Viscosity - ASTM D-2196 - 74°F, POL	1200 cps

### Reactivity Profile

Ratio by Weight - ISO:POL	100 - 96
Ratio by Volume - ISO:POL	100 - 100
Mix Time - by Hand	1 - 3 Minutes
Pot Life - 100g	10 Minutes
Gel Time - 100 gram sample, 74°F	9 - 15
Gel Time	12 Minutes
Demold Time	24 Hours
Cure Time	24 Hours

### Typical Physical Properties

Hardness - ASTM D2240 - Shore A	70 - 74 Shore A
Trouser Tear - ASTM D624, Method T - Cured with Ethacure 300	175 - 230 pli
Split Tear - ASTM D470	30 - 50 pli
Tensile Strength - ASTM D638	800 - 1300 psi
Elongation - ASTM D412	400 - 500 %
Rebound, Bayshore % - ASTM D2632	43 %
Compressive Strength - ASTM D695 - @ 10% Strain	192 psi
Compressive Strength - ASTM D695 - @ 20% Strain	366 psi
Compressive Strength - ASTM D695 - @ 30% Strain	534 psi

### RECOMMENDED HANDLING INSTRUCTIONS

Keep the IsoMold URP 5122 container tightly closed when not in use and store at temperatures between 50–77° F (10–25° C). Do not expose the curative or prepolymer to moisture! If moisture contaminates IsoMold URP 5122, it will not cure. If these storage requirements are met, IsoMold URP 5122 carries a shelf life warranty of six months. Be sure to read the Material Safety Data Sheet that comes with IsoMold URP 5122. When working with this material please observe the following safety precautions.

- Wear safety glasses, chemical-resistant rubber or plastic gloves, and an apron.
- Avoid prolonged or repeated contact with skin.
- In the case of skin contact, wipe affected area with isopropyl alcohol, followed by soap and water.

- In the case of eye contact, flush eyes with water for 15 minutes and consult a physician.
- If swallowed, drink one to two glasses of water and seek medical attention immediately.

## STORAGE

## SAFETY

Please refer to the IsoMold URP 5122 SDS for complete information on safe use and handling of this product. When working with IsoMold URP 5122, please observe the following safety precautions.- Use only in well-ventilated areas  
Wear chemically resistant

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Date Modified

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Since Seller exercises no control over Buyers application or use of the product manufactured by Seller ("product") and since materials used with the product may vary, it is understood that:

- THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OR MERCHANTABILITY OR FOR ANY PARTICULAR PURPOSE. While all data presented in Seller's technical data sheet is based on the best information available to Seller and believed correct, such data is not to be construed as a warranty that the product will conform to such specifications. Such technical data sheets are subject to change without notice. Reported laboratory test results of fire redundancy in no way relates to the actual performance under fire conditions. Since all urethane systems are organic, they will burn.
- Reported laboratory test results of the color stability in no way relates to the actual performance upon exposure to light sources. Since all aromatic urethanes experience color degradation upon ultraviolet light exposure, Seller shall not be liable for any damages resulting from ultraviolet light color degradation of any aromatic urethane systems manufactured or sold by Seller.
- The liability of the Seller shall not exceed the purchase price and the Buyer shall not be entitled to nor the Seller be liable for any consequential, incidental, indirect or special damages resulting in any manner from the furnishing of the product.

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