



## IsoMold URP 5122

### PRODUCT DESCRIPTION

Isotec's IsoMold URP 5122 (Formerly PAM 2070) 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.

### REACTION PROFILE

Ratio by Weight (iso:polyol) :	100 - 96	
Ratio by Volume (iso:polyol) :	100 - 100	
Pot Life :	10	Minutes
Gel Time, 100g :	12	Minutes
DeMold Time :	24	Hours
Cure Time :	24	Hours
Mix Time :	1 - 3	Minutes

### COMPONENT PROPERTIES

Color, Isocyanate :	light amber	
Color, Polyol :	opaque red	
Specific Gravity (74F), Isocyanate :	1.088	
Specific Gravity (74F), Polyol :	1.046	
Viscosity (74F), ASTM D-1638 (ISO) :	2200	cps
Viscosity (74F), ASTM D-1638 (Polyol) :	1200	cps





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### TYPICAL PHYSICAL PROPERTIES

Shore Hardness- A, ASTM D2240 :	70 - 74	
Tear, Die C :	175 - 230	pli
Split Tear, ASTM D470 :	30 - 50	pli
Tensile Strength, ASTM D638 :	800 - 1300	psi
Elongation, ASTM D412 :	400 - 500	%
Rebound Bashore % :	43	%

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

### 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.

### SAFETY

Please refer to the MSDS for all appropriate health and safety information.

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