



SWD Quik-Shield® |960 Pour Elastomer - White

SWD Quik-Shield® |960 is a two component castable polyurethane elastomer. It is designed for use in molding applications. The finished product is bright white in color resembling homogenized milk.

Designed for use at room temperature (70 - 80°F), **SWD Quik-Shield® |960** readily accepts fillers and has an extended reactivity for maximum working time.

SWD Quik-Shield® |960 may be poured by hand or with industrial equipment.. It works well with silicone molds, with or without rotational molding equipment.

SWD Quik-Shield® |960 is ideal for a variety of applications including:

- Interior & Exterior Artwork
- Mold Castings
- Simulated Stone Surfaces
- Simulated Porcelain
- Simulated Coral Surfaces



SWD Quik-Shield® |960 The advantages of castable polyurethane

Castable polyurethanes are used for their high performance properties such as; abrasion resistance, impact resistance, tear resistance and load bearing capabilities. These provide a cost-effective alternative for many applications.

ADVANTAGES VS. RUBBER

The main advantage of castable polyurethanes over rubber is abrasion resistance. Other advantages include: a higher durometer range, the ability to be pigmented and that they can be poured rather than compression molded.

ADVANTAGES VS. METAL

Most metals are much heavier than polyurethanes. Reduced weight makes polyurethanes easier to handle and less expensive to manufacture. Polyurethanes can also reduce noise level and are corrosion resistant.

ADVANTAGES VS. PLASTIC

The chief advantage of castable polyurethanes over plastics is abrasion and impact resistance. They are also able to accept fillers which help reduce material costs when compared to other options.



SWD Quik-Shield® |960

Pour Elastomer - White- Specifications

CHARACTERISTICS

DURABLE

- 100% solids aromatic elastomer coating
- High hardness properties
- Chemical, corrosion and abrasion resistant

WORKABILITY:

- Extended reactivity profile allows for maximum working time

ENVIRONMENTALLY FRIENDLY:

- Low VOC, no solvents, no ozone-depleting properties

EASE OF APPLICATION:

- May be poured by hand or with industrial equipment.

STORAGE:

- Store drums of liquid materials out of direct sunlight at temperatures not exceeding 85°F, in a well-ventilated location.
- When stored in original unopened containers at 50-80°F, the shelf life of SWD Quik-Shield® |960 A and B components is six months from date of manufacture
- Thoroughly mix B side prior to use.

PROPERTIES

SOLIDS CONTENT:	(%)	100.0
DENSITY:	Without filler (pcf)	55 - 65
	With filler (pcf)	45 - 50
HARDNESS:	(Shore D)	75
LIQUID COMPONENT PROPERTIES:		
	A Component	B Component
VISCOSITY:	cps @ 75°F	50 -100
	cps @ 75°F w/filler	1,075
MIXING RATIO:	% by weight	53
	% by volume	50
SPECIFIC GRAVITY:	1.13	98-1.0
REACTIVITY PROFILE:		
	Without filler	With filler
MIXING TIME:	1 min	2 min
GEI TIME:	1 min 30 sec	1 min 30 sec
TACK FREE TIME:	3 min	4-5 min
DEMOLD TIME:	8-10 min	10-12 min

This information herein is believed to be reliable, however, unknown risks may be present. SWD Urethane Company makes no warranty, expressed or implied, concerning this product's merchantability or fitness for any particular use. The only warranty SWD Urethane Company give is that the product meets the specifications herein listed, and in the event that it does not, that SWD Urethane Company will replace, at its costs SWD Urethane Company's product. The foregoing constitutes SWD Urethane Company's sole obligation with respect to damages, whether direct, incidental or consequential, resulting from the use or performance of the product.