



SWD Quik-Shield® |957 Castable Polyurethane Elastomer

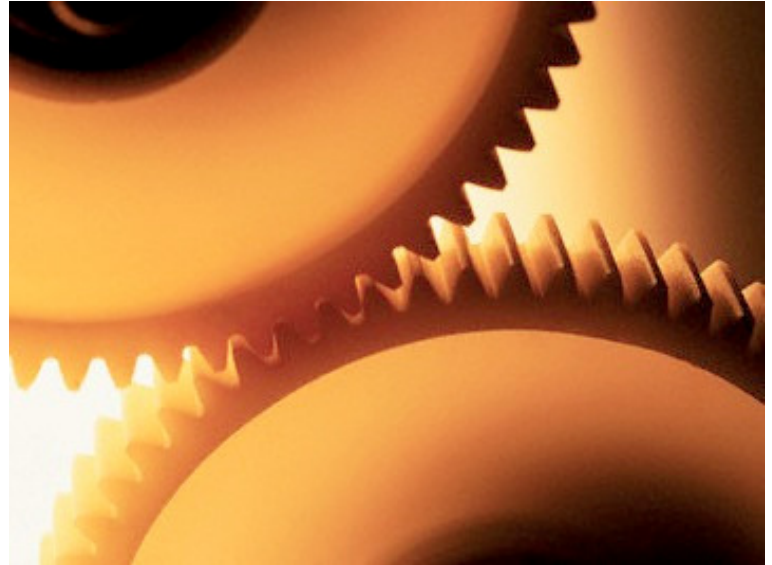
SWD Quik-Shield® |957 is a castable polyurethane specifically designed for molding application use.

SWD Quik-Shield® |957 is a low viscosity rapid set, castable polyurethane that is ideal for a variety of applications including:

- Interior & Exterior Artwork
- Simulated Stone Surfaces
- Simulated Wood Surfaces
- Simulated Metal Surfaces
- Machine Parts & Rollers

SWD Quik-Shield® |957 is designed for use with various working times for use in open faced, closed face, rubber or rotational mold equipment.

SWD Quik-Shield® |957 is an excellent replacement material for manufacturing parts traditionally molded from plaster or fiberglass.



SWD Quik-Shield® |957 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® |957

Castable Polyurethane Elastomer- 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® |957 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 A)	90-95
	(Shore D)	60-65

LIQUID COMPONENT PROPERTIES:

	A Component	B Component
VISCOSITY:		
	cps @ 75°F	50 -100
	cps @ 75°F w/filler	1,075
MIXING RATIO:	% by weight	50
SPECIFIC GRAVITY:	1.13	1.0

REACTIVITY PROFILE:

	Without filler	With filler
MIXING TIME:	1 min	2 min
CREAM TIME:	2 min 30 sec	2 min 30 sec
TACK FREE TIME:	4 min 30 sec	5 - 7 min
DEMOLD TIME:	5 - 8 min	7 -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.