



Epoxy &
Polyurethane
Manufacturing and
Research

TECHNICAL BULLETIN

EPMAR® SS2125 Castable Polyurethane Elastomer

Description

EPMAR® SS2125 is a two-component high performance polyurethane system. Component “A” is a MDI based prepolymer and Component “B” is based on polyether polyols. This pourable 80A casting product is formulated to produce good chlorine resistance. Filters potted with SS2125 will pass UL 900. This system was developed for the filter industry.

Typical Technical Information

	Component A	Component B
Mix Ratio		
By Weight A/B	52.0	48.0
By Volume A/B	1	1
Solids Content By Weight	100%	100%
Viscosity, CPS @ 77°F.	360 ± 40	800 ± 20
Specific Gravity @ 77°F.	1.17 ± 0.01	1.065 ± 0.005
Weight (lbs./gal.)	9.72 ± 0.08	8.85 ± 0.05
Color	Amber	Milky

Physical Characteristics (100 G Total Mix of “A” and “B” @ 77°F and 120°F)

Appearance	White-Cream
Pot Life	7 minutes @ 77°F. 2 minutes @ 120°F.
Gel Time	12-15 minutes @ 77°F. 6 minutes @ 120°F.
Shelf Life	6 months at room temperature (65 -85°F.)
Storage Temperature	65-80°F.
Temp. of Component “A”	77-120°F.
Temp. of Component “B”	77-120°F.
Temp. of Mold	77-160°F.

Physical Characteristics

Durometer	80 Shore A, D-2240
Tensile	1,400 Ultimate psi, D-638
Elongation at Break	490%, D-638
Tear Strength	200 Die C, pli, D-624



Epoxy &
Polyurethane
Manufacturing and
Research

TECHNICAL BULLETIN
EPMAR® SS2125
Castable Polyurethane Elastomer

Contact EPMAR for any additional application information.

Warranty

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of this product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product, which is proved to be defective. Any claim of defective product must be received in writing within one (1) year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.

Service is part of our formula

Epmar Corporation

13210 Barton Circle, Santa Fe Springs, CA 90605-3254

Ph: 562.946.8781 / Fax: 562.944.9958

E-Mail: epmar@quakerchem.com Web Site: www.epmar.com