



Silicone & Epoxy Technology

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Set-SIE 3070 Polyurethane Elastomer

Set-SIE 3070 is a tough, impact resistant elastomer formulated for room temperature hand-batch mixing. Excellent physical properties can be obtained with a room temperature cure without the utilization of mercury, MOCA or TDI.

TYPICAL PROPERTIES:

Resin/Hardener ratio (Parts by Weight)	100/92
Resin/Hardener ratio (Parts by Volume)	100/100
Resin viscosity (@ 77° F.)	75cps
Hardener viscosity (@ 77° F.)	450 cps
Initial mixed viscosity	150 cps
Working life (@ 77° F.)	8 ± 2 Min.
Color	White
Demold time	40 ± 10 Min.
Ultimate cure @ 77° F.	7 days
Specific Gravity (Hardener)	1.16 (gm/cc)
(Resin)	1.06 (gm/cc)
(Mixed)	1.06 (gm/cc)

CURED PROPERTIES

	<u>Test Method</u>	24 Hrs. @ 77° F.
Hardness	ASTM D-2240	70-75 D
Tensile Strength	ASTM D-638	4950 psi
Elongation at Break	ASTM D-638	24 %
Tensile Modulous	ASTM D-638	165000 psi
Notched Izod	ASTM D-256	0.6 ft.lbs/in.
Linear Shrinkage	ASTM D-2566	0.002-0.006 in./in.
Ultimate Flex Strength	ASTM D-790	7100 psi
Flex Modulus	ASTM D-790	175000 psi
Heat Deflection Temp (66psi)	ASTM D-648	66°C/150° F
Heat Deflection Temp (264psi)	ASTM D-648	62°C/143° F

Agitate hardener and resin before mixing to ensure that the formula is homogeneous.

Read Warranty on Back of Technical Data Sheet.

Warranty

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