



Silicone & Epoxy Technology

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Set-SIE 3075 Polyurethane Elastomer

Set-SIE 3075 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)	100/89
Resin/Hardener ratio (Parts by Volume)	100/100
Resin viscosity (@ 77° F.)	75cps
Hardener viscosity (@ 77° F.)	850 cps
Initial mixed viscosity	300 cps
Working life (@ 77° F.)	8 ± 2 Min.
Color	Translucent
Demold time	60 ± 30 Min.
Ultimate cure @ 77° F.	7 days
Specific Gravity (Hardener)	1.25 (gm/cc)
(Resin)	1.11 (gm/cc)
(Mixed)	1.11 (gm/cc)

CURED PROPERTIES

24 Hrs. @ 77° F.

& 16 Hrs @ 200° F. 7 days @77° F

	<u>Test Method</u>	24 Hrs. @ 77° F.	& 16 Hrs @ 200° F. 7 days @77° F
Hardness	ASTM D-2240	80-85 D	80-85 D
Tensile Strength	ASTM D-638	10000 psi	10500 psi
Elongation at Break	ASTM D-638	9 %	8 %
Tensile Modulous	ASTM D-638	165000 psi	165000 psi
Notched Izod	ASTM D-256	0.7 ft.lbs/in.	0.7 ft.lbs/in.
Linear Shrinkage in./in.	ASTM D-2566	0.002-0.004	0.002-0.004
Ultimate Flex Strength	ASTM D-790	16500 psi	17000 psi
Flex Modulus	ASTM D-790	390000 psi	420000 psi
Heat Deflection Temp (66psi)	ASTM D-648	83°C/182° F	77°C/171° F
Heat Deflection Temp (264psi)	ASTM D-648	n/a	n/a

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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