



QUIK-WORKS 4166M

1.8 lb Rigid Pour Foam

QUIK-WORKS 4166M is a rigid pour foam designed to flow readily into insulated panels and parts. It is a fire-resistant, two-component, co-blown polyurethane foam with excellent dimensional stability. QUIK-WORKS 4166M meets ASTM E84 Class 1 requirements and conforms to UL 94 HF-1 tests for foamed material. QW4166M is designed to run through the QUIKSHOT equipment.

LIQUID PROPERTIES

Properties obtained in controlled laboratory conditions at 77°F (25°C) unless otherwise stated. It is the responsibility of the end user to test products and determine end use suitability.

	QUIK-WORKS 4166M ISO (A)	QUIK-WORKS 4166M RESIN (B)
Specific Gravity	1.23	1.14
Viscosity (cP)	250	380
Mixed Viscosity (cP)		315
Mix Ratio (Volume)	1	1
Material Temperature (°F)	85	85

FREE RISE REACTIVITY/PHYSICALS

Cream (sec)	10-15
Gel (sec)	85-95
Tack Free (sec)	150-200
Density (lbs/ft ³)	1.7-1.9

PHYSICAL PROPERTIES, MOLDED TO 2.0-2.2 PCF

Molded Density, (lbs/ft ³)	2.0-2.2			
Demold Time (min)	10-15			
Tensile Strength, ASTM D-3574-E (psi)	27			
Modulus, ASTM D-3574-E (ksi)	1.1			
	1 Day	7 Day	14 Day	
Dimensional Stability	70°C, 100%RH	0.7	0.7	1.2
ASTM D-2126	70°C, 50%RH	0.3	1.8	1.6
(% Volume)	-40°C, 50%RH	0.2	0.2	0.2
Compression Strength, ASTM D-1621 @ 10% (psi)		30 (parallel) 16 (perpendicular)		
K-Factor, ASTM C-518		0.15		
Flexural Strength, ASTM D-790 @ 5% (psi)		55-58		
Shear Strength, ASTM C-273 (psi)		26		
Closed-Cell, ASTM D-2856 (%)		>88		

RECOMMENDED STORAGE AND SHELF LIFE

- Storage Temperature 65-85°F (18-29°C)
- 6 month shelf life (resin) 12 month shelf life (iso) from date of manufacture (unopened containers).
- Keep container tightly sealed
- Store out of direct sunlight, store in a cool dry place, avoid freezing

MIXING

- Do not mix A-Side (iso) or B-Side (resin)

APPROVALS/COMPLIANCE

ASTM E84 Class 1

UL 94 HF-1



The information herein is believed to be reliable; however, unknown risks may be present. Typical properties should not be construed as specifications. SWD Urethane makes no warranty, expressed or implied, concerning this product's merchantability or fitness for any particular use. The product will meet the written liquid component specifications as indicated on the technical data sheet published at the time of the purchase. The entirety of SWD Urethane's responsibility is limited only to the cost of the SWD material. The foregoing constitutes SWD Urethane's sole obligation with respect to damages, whether direct, incidental or consequential, resulting from the use or performance of the product. Safety is the responsibility of the owner. For more information consult the product SDS.