



QUIK-WORKS 4172M

2.1 lb Rigid Pour Foam

QUIK-WORKS 4172M is a rigid pour foam designed to flow readily into insulated panels and parts. 4172M is a fire-resistant, two-component, co-blown polyurethane foam with excellent dimensional stability. QUIK-WORKS 4172M meets ASTM E84 Class 1 requirements and conforms to UL 94 HF-1 tests for foamed material.

HIGH PRESSURE PROCESSING PARAMETERS

	QUIK-WORKS 4172M ISO (A)	QUIK-WORKS 4172M RESIN (B)
Specific Gravity:	1.23	1.14
Viscosity (cP):	250	825
Mixed Viscosity (cP):		550
Mix Ratio (Volume)	100	100

FREE RISE REACTIVITY/PHYSICALS

Properties at 77°F (25°C) unless otherwise stated.

Cream (sec)	20-24
Gel (sec)	85-100
Tack Free (sec)	120-160
Density (lbs/ft ³)	1.9-2.2

TYPICAL PHYSICAL PROPERTIES, MOLDED TO 2.0-2.2 PCF

Molded Density, (lbs/ft ³)	2.2-2.4		
Demold Time (min)	10-15		
Tensile Strength, ASTM D-3574-E (psi)	27		
Modulus, ASTM D-3574-E (ksi)	1.1		
Fire Resistance, ASTM E84	Flame Spread < 25	Smoke < 450	
Flammability Testing, UL 94	HF-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		

*Properties obtained in controlled laboratory conditions. It is the responsibility of the end user to test products and determine end use suitability.