

Technical Data

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3001-2 FR

(100042-000)

WATER-BLOWN RIGID POLYURETHANE FOAM

PRODUCT DESCRIPTION AND APPLICATIONS

3001-2 FR is a two-component, rigid, water-blown, fire-retardant, polyurethane foam system. This unique product is excellent for applications requiring a low density with a strong skin. It is used widely in a variety of industries such as taxidermy and the manufacture of mannequins. Parts can be easily molded out of urethane foam that otherwise would require labor-intensive carving or lathing.

TYPICAL PHYSICAL PROPERTIES

(for components)	TEST METHOD	COMPONENT A	COMPONENT B
Viscosity, cps	ASTM D-2393	170 ± 20	2400 ± 200
Specific gravity	ASTM D-1638	1.24 ± 0.05	1.07 ± 0.05
Weight per gallon, lbs		10.3 ± 0.1	8.9 ± 0.1
Mix ratio	by weight	52	48
	by volume	50	50
(for cured material)			
Free Rise Density, lbs./ft. ³	2.5 ± 0.5		

REACTIVITY DATA

Cream time, seconds	60 ± 10
Rise time, minutes	170 ± 20
Tack free time, minutes	250 ± 20

HANDLING (STORAGE)

Component A (isocyanate) - storage area should be maintained between 65°F to 85°F. Containers must be tightly closed as a protection from moisture and foreign material.

Component B (polyol) - storage area should be maintained between 65°F to 85°F. Containers must be tightly closed as a protection from moisture and foreign material.

IMPORTANT NOTICE

The information contained herein is based on data believed to be accurate at the time of publication. Data of this type should not be used for specification for fabrication and product design as it is the user's responsibility to determine this product's fitness for a particular use.



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