

FlexFoam-It® III

Polyurethane
Smooth-On, Inc

Message:

Smooth-On's FlexFoam-iT!® Series consists of two-component flexible foams that are versatile and easy to use. Parts A and B are mixed and poured into a mold or other form (apply release agent if necessary). FlexFoam-iT!® III is mixed 1A:2B by volume, expands 15 times its original volume and develops a uniform 3 lb./cu. ft. cell structure. FlexFoam-iT!® V is mixed 1A:1B by volume, expands 10 times its original volume and develops a uniform 5 lb./cu. ft. cell structure. FlexFoam-iT!® X is mixed 1A:1B by volume, expands 6 times its original volume and develops a uniform 10 lb./cu. ft. cell structure. FlexFoam-iT!® 17 and FlexFoam-iT!® 25 are "self-skinning" - they develop a tough skin that will reproduce fine mold texture. FlexFoam-iT!® 17 is mixed 1A:2B by volume, expands 3.5 times its original volume and develops a uniform 17 lb/cu. ft cell structure. FlexFoam-iT!® 25 is mixed 1A:2B by weight, expands 2 times its original volume and develops a uniform 25 lb/cu. ft cell structure. FlexFoam-iT!® Series foams expand to full volume in 5 minutes, develop handling strength in 30 minutes and fully cure in 2 hours. Vibrant colors can be achieved by adding SO-Strong® color tints. FlexFoam-iT!® products can be used for a variety of arts & crafts, industrial and special effects applications including padding/cushion material, gasket material and scenic design.

General Information			
Features	Foamable		
	Good Colorability		
	Good Flexibility		
	Good Surface Finish		
Uses	Foam		
	Gaskets		
	Industrial Applications		
	Shock Absorbing Pads		
Appearance	White		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.0599	g/cm ³	ASTM D1475
Specific Volume	14.5 to 16.3	cm ³ /g	
Handling Strength	30.0	min	
	57.5A:100B by weight		
Mixing Ratio	1A:2B by volume		
Volumetric Expansion	15 times		
Apparent Density	0.05	g/cm ³	
Thermoset	Nominal Value	Unit	Test Method
Pot Life	0.58	min	ASTM D2471
Thermoset Mix Viscosity	1000	cP	ASTM D2393
Demold Time	120	min	

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