

Foam-It® 5

Polyurethane

Smooth-On, Inc

Описание материалов:

Smooth-On's FOAM-iT!® Series consists of two-component rigid foams that are versatile and easy to use. FOAM-iT!® products are available in 3lb., 5 lb., 8 lb., 10 lb., 15 lb. or 26 lb. per cubic foot densities. Parts A and B are measured and mixed in equal amounts by volume (Note: FOAM-iT!® 8 is measured and mixed 2A:1B by weight). The mixture is then poured into a mold or other form (apply release agent if necessary). The mixture will expand many times original volume (depending on which FOAM-iT!® product you are using) and develop a uniform cell structure. FOAM-iT!® 3, 5, 10, 15, and 26 are tack-free in about 4 - 6.5 minutes, developing handling strength in 20 minutes and full cure in 2 hours.

FOAM-iT!® 10 SLOW is a 10 lb. density foam with a longer, 3.5 minute working time, taking 1 hour to reach handling strength and 4 hours to cure.

FOAM-iT!® 10 SLOW is designed for large-pour applications and can be used for a variety of industrial, art-related and special effects applications.

FOAM-iT!® 8 is a unique, self-skinning foam with a finer, more uniform cell structure than the other FOAM-iT!® products.

FOAM-iT!® 26 is a high density rigid foam that is very hard and very strong.

FOAM-iT!® 8, 15, or 26 can be cast in blocks as a machineable prototype modeling board.

All FOAM-iT!® products can be used as a straight casting material, backfill material for hollow castings (adds structural strength) or as an encapsulation material, etc. They can be color pigmented with SO-Strong® color tints and are used for a variety of art/craft, industrial design and special effects applications.

| Главная Информация | |
|--------------------|---------------------------------|
| Характеристики | Foamable Высокая жесткость |
| Используется | Пена Промышленное применение |
| Внешний вид | Бежевый |
| Метод обработки | Литье Инкапсулирование |

| Физический | Номинальное значение | Единица измерения | Метод испытания |
|------------------------|----------------------|-------------------|-----------------|
| Удельный вес | 0.0798 to 0.0998 | g/cm³ | ASTM D1475 |
| Удельный объем | 10.8 to 12.6 | cm³/g | |
| Tack Free Time | 5.0 | min | |
| Cure Time | 2.0 | hr | |
| Прочность на обработку | 20.0 | min | |
| Volumetric Expansion | 10 times | | |

| Термокомплект | Номинальное значение | Единица измерения | Метод испытания |
|----------------------------|----------------------------------------------------|-------------------|-----------------|
| Компоненты термокомплекта | | | |
| Part A | Mix Ratio by Weight: 100, Mix Ratio by Volume: 1.0 | | |
| Part B | Mix Ratio by Weight: 87, Mix Ratio by Volume: 1.0 | | |
| Срок службы горшка | 1.5 | min | ASTM D2471 |
| Терморегулирующая вязкость | 300 | cP | ASTM D2393 |

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