

## Foam-It® 10

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<br>Высокая жесткость   |
| Используется       | Пена<br>Промышленное применение |
| Внешний вид        | Бежевый                         |
| Метод обработки    | Литье<br>Инкапсулирование       |

| Физический             | Номинальное значение | Единица измерения  | Метод испытания |
|------------------------|----------------------|--------------------|-----------------|
| Удельный вес           | 0.150 to 0.170       | g/cm <sup>3</sup>  | ASTM D1475      |
| Удельный объем         | 5.42 to 6.32         | cm <sup>3</sup> /g |                 |
| Tack Free Time         | 5.0                  | min                |                 |
| Cure Time              | 2.0                  | hr                 |                 |
| Прочность на обработку | 20.0                 | min                |                 |
| Volumetric Expansion   | 6 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 | 400  | cP                | ASTM D2393      |

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