

# SO-FLEX™ II

## Flexibilizer for Urethane Rubber



www.smooth-on.com

### PRODUCT OVERVIEW

SO-FLEX™ II is a phthalate free softening agent that will lower the cured durometer of a variety of Smooth-On flexible polyurethane products. The following charts indicate the effect SO-FLEX™ II has on various fully cured (7 days at 73°F/23°C) urethane rubbers when added as a percentage of the total mix.

### PROCESSING RECOMMENDATIONS

#### PREPARATION...

**Safety** - Use in a properly ventilated area ("room size" ventilation). Wear safety glasses, long sleeves and rubber gloves to minimize contamination risk. Store and use products in a warm environment (73°F / 23°C). This product has a limited shelf life and should be used as soon as possible. Wear gloves and eye protection to minimize risk of contamination.

#### MEASURING & MIXING...

**Use SO-FLEX™ II by weight** - For best results, you should use an accurate scale to properly use SO-FLEX™ II. SO-FLEX™ II should be weighed and thoroughly mixed (at least one minute) with the appropriate amount of Part B before combining with Part A.

Reoflex™ 20		1:1 pbw		
Part B	SO-FLEX™ II	Mix Thoroughly	Part A	Shore A Hardness*
100 g	0 g	Mix	100 g	20
100 g	10 g	Mix	100 g	17
100 g	20 g	Mix	100 g	13
100 g	40 g	Mix	100 g	6

Vytaflex™ 10		1:1 pbw		
Part B	SO-FLEX™ II	Mix Thoroughly	Part A	Shore A Hardness*
100 g	0 g	Mix	100 g	10
100 g	10 g	Mix	100 g	6
100 g	20 g	Mix	100 g	4
100 g	40 g	Mix	100 g	not recommended

Vytaflex™ 20		1:1 pbw		
Part B	SO-FLEX™ II	Mix Thoroughly	Part A	Shore A Hardness*
100 g	0 g	Mix	100 g	20
100 g	10 g	Mix	100 g	18
100 g	20 g	Mix	100 g	16
100 g	40 g	Mix	100 g	12

Vytaflex™ 30		1:1 pbw		
Part B	SO-FLEX™ II	Mix Thoroughly	Part A	Shore A Hardness*
100 g	0 g	Mix	100 g	30
100 g	10 g	Mix	100 g	27
100 g	20 g	Mix	100 g	20
100 g	40 g	Mix	100 g	16

Vytaflex™ 60		1:1 pbw		
Part B	SO-FLEX™ II	Mix Thoroughly	Part A	Shore A Hardness*
100 g	0 g	Mix	100 g	60
100 g	10 g	Mix	100 g	55
100 g	20 g	Mix	100 g	47
100 g	40 g	Mix	100 g	36

Brush-On™ 40		100:125 pbw		
Part B	SO-FLEX™ II	Mix Thoroughly	Part A	Shore A Hardness*
125 g	0 g	Mix	100 g	40
125 g	10 g	Mix	100 g	35
125 g	20 g	Mix	100 g	30
125 g	40 g	Mix	100 g	20

PMC™-121/50		2:1 pbw		
Part B	SO-FLEX™ II	Mix Thoroughly	Part A	Shore A Hardness*
100 g	0 g	Mix	200 g	50
100 g	15 g	Mix	200 g	44
100 g	30 g	Mix	200 g	39
100 g	60 g	Mix	200 g	31

PMC™ 780 DRY		2:1 pbw		
Part B	SO-FLEX™ II	Mix Thoroughly	Part A	Shore A Hardness*
100 g	0 g	Mix	200 g	80
100 g	15 g	Mix	200 g	73
100 g	30 g	Mix	200 g	69
100 g	60 g	Mix	200 g	60

\* Shore Hardness measured after 7 days at 73°F/23°C

## Safety First!

The Material Safety Data Sheet (MSDS) for this or any Smooth-On product should be read prior to use and is available upon request from Smooth-On. All Smooth-On products are safe to use if directions are read and followed carefully. **Keep Out of Reach of Children**

**BE CAREFUL**

Use only with adequate ventilation. Contact with skin and eyes may cause irritation. Flush eyes with water for 15 minutes and seek immediate medical attention. Remove from skin with waterless hand cleaner followed by soap and water.

**IMPORTANT** - The information contained in this bulletin is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained from the use thereof, or that any such use will not infringe upon a patent. User shall determine the suitability of the product for the intended application and assume all risk and liability whatsoever in connection therewith.



**Call Us Anytime With Questions About Your Application.**

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[www.smooth-on.com](http://www.smooth-on.com) is loaded with information about mold making, casting and more.