



## TECHNICAL DATA SHEET

**Product: Aroflex SM**

### DESCRIPTION OF THE PRODUCT

Formulated polyol for the production of flexible PU blocks with modified impact strength, this product has been studied for the applications in bed mattresses.

Aroflex SM has to be mixed with a 3<sup>th</sup> component before the reaction with isocyanate. This can be done using appropriated equipment.

**For this product a three-components foam-machine is request.**

### TYPICAL PROPERTIES

Aspect	: colourless liquid
Viscosity at 25°C, mPa·s	: 400 - 500
Specific gravity at 25°C	: 1.04

### PROCESS CONDITIONS AND PERFORMANCES

<b>Polyol Aroflex SM*</b>	: pbw 100 *(with 3th comp.)
Isocyanate Arodur 437	: pbw 53
polyol temperature, °C	: 20 - 25
Isocyanate temperature, °C	: 20 - 25
Iso /Polyol ratio	: 53 / 100

#### BENCH REACTION TIMES

Components temperature, °C	: 25
Cream time, s	: 17 - 21
Gel time, s	: 130 – 140
Density, kg/m <sup>3</sup>	
1 liter standard	: 60 - 70



## PHISICAL CHARACTERISTICS

Density, kg/m <sup>3</sup>	: 52 - 54	
Compression set (22H, 70°C)		ISO 1856-80
C.S. 75%	: 1,6 – 1,9	
C.S. 90%	: 2,0 – 2,3	
Wet compression set - (22H, 50°C, 95% r.h.)		
C.S. 70%	: 1,0 – 1,3	
Tensile	: 63 N 138 % elongation	ISO 1798
Tear, N/m	: 203 - 282	ASTM D 3574-95
<u>IFD</u>		DIN EN ISO 3386-98
25%, N	: 67,3	
40%, N	: 88,6	
65%, N	: 161,1	
SAG	: 2,4	
Hyst., %	: 53,6	
<u>CFD</u>		DIN EN ISO 3386-1-98
25%, kPa	: 1,65	
40%, kPa	: 2,1	
60%, kPa	: 3,6	
65%, kPa	: 4,45	
SAG	: 2,7	
Hyst., %	: 51,1	

## STORAGE AND HANDLING

The product shall be stored into well closed containers, protected by atmospheric moisture, preferably at a temperature between 15 and 25°C.  
During the handling gloves and protection goggles shall be used.  
Mix accurately before using the product.  
Shelf life: 3 months into sealed containers.

## HEALTH AND SAFETY PRECAUTIONS

For more detailed information, please refer to the Safety data sheet of the product.

## SUPPLY

Drums of 210 Kg (net weight) each.

All above information is given in accordance to our experience. It is provided for guidance purpose only and we do not assume any liability for the results obtained therefrom, as neither for its utilization.