



## TECHNICAL DATA SHEET

**Product: AROFLOW 200.5**

### DESCRIPTION

RIM system to be used in combination with Arodur 470.1 for the production of structural elements that could have a reinforcement made of fiber glass or similar.

### TYPICAL PROPERTIES

Aspect : black liquid  
Viscosity at 25°C, mPas : 800 - 1000  
Specific gravity at 25°C : 1,03

### PROCESS CONDITIONS AND PERFORMANCES

Polyol Aroflow 200.5 : ppw 100  
Isocyanate Arodur 470.1 : ppw 110  
Polyol temperature, °C : 23 - 27  
Iso temperature, °C : 23 - 27  
Iso/polyol ratio : 110 / 100  
Moulds temperature, °C : 40 - 45

#### BENCH REACTIONS TIMES

Components temperature, °C : 24 - 26  
Gel time, s : 86 - 100  
Moulded material density  
without reinforcement, kg/l : 1,05 - 1,1  
Moulded material density  
with 20% glass, kg/l : 1,20 - 1,25

### PHYSICAL/MECHANICAL CHARACTERISTICS

#### TEST with glass (300 gr/m<sup>2</sup>)

Specific gravity, Kg/m <sup>3</sup>	: 1200	ISO 1183
Surface hardness, Shore D	: 81	ASTM 2240
Flexural module, MPa	: 2600	ASTM D790
Tensile strain, MPa	: 46,8	ASTM D 638
Tensile elastic module, MPa	: 2500	ASTM D 638
Ultimate elongation, %	: 2,7	



TEST with glass (600 gr/m<sup>2</sup>)

Specific gravity, Kg/m <sup>3</sup>	: 1220	ISO 1183
Surface hardness, Shore D	: 82	ASTM 2240
Flexural module, MPa	: 3300	ASTM D790
Tensile strain, MPa	: 59,6	ASTM D 638
Tensile elastic module, MPa	: 3300	ASTM D 638
Ultimate elongation, %	: 2,4	

TEST without glass

Specific gravity, Kg/m <sup>3</sup>	: 1150	ISO 1183
Surface hardness, Shore D	: 70	ASTM 2240
Flexural module, MPa	: 1770	EN ISO 178/96
Flexural module, MPa	: 1870	EN ISO 527-1/96
Tensile strain, MPa	: 43	EN ISO 527-1-96
Flexural strain, MPa	: 69	EN ISO 178/96
Ultimate elongation, %	: 10	
Charpy resilience, Kj/m <sup>2</sup>	: 52	EN ISO 176/96
Thermomechanical analysis in Flexion, °C	: 65	PTP 24/96

### STORING AND HANDLING

The product must be stored in perfectly closed containers, protected from atmospheric humidity, preferably at a temperature between 15°C and 25°C. It is recommended to wear gloves and goggles during handling.

**Before using mix accurately the product.**

Maximum shelf life: 6 months in perfectly closed containers.

### HEALTH AND SAFETY PRECAUTIONS

For a complete information, please refer to the Material Safety Data sheet.

### SUPPLY

Aroflow 200.5 is supplied upon request in drums of 25 or 210 kg.

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