



## TDS of PRIMEFOAM 8080 AU1 and Modified MDI 8018/8599

### Instruction

PRIMEFOAM 8080 AU1 and Modified MDI 8018/8599 are designed for production of high resilience foam in automotive and furniture markets, they react with good characteristics such as good fluidity, excellent dimensional stability, and skin smooth, free of bubbles. It's widely applied in the production of car seat, gym seat, movie seat etc.

### Typical Physical Properties

Property	Unit	AU1	8018/8599
Appearance	--	Milk white	brown
Viscosity (25°C)	mPa·s	1700	80
NCO	Wt%	--	26
Gravity (20°C)	g/ml	1.02±0.05	
Storage Temperature	°C	15~25	
Storage Stability	month	6	

\*These values provide general information and are not part of the product specification.

### Reactivity Characteristics

Property	Unit	AU1	8018/8599
Material Temperature	°C	22-28	22-25
POL/ISO Ratio	pbw	100	50-70
Mold Temperature	°C	40-70	
Demould Time	s	240-420	
Cream time	s	10-15	
Gel Time	s	75-85	
Rising time	s	95-105	

\*The actual reactivity characteristics may be adjusted according to process conditions and clients' requirements.

### Foam Features

Property	Unit	Foam
Density	kg/m <sup>3</sup>	55-65
25% CLD	N	110-250
Elongation at break	%	100-140



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Tensile Strength	kPa	120-140
Tear strength	N/cm	1.7-2.0
Permanent Compression set (75%)	%	6-8

\*For information purpose only, not specification.

## Package

AU1: 220 liter iron drums, margin of error:  $\pm 1$ kg/drum

8599: 230 liter iron drums, margin of error:  $\pm 1$ kg/drum

8018: 240 liter iron drums, margin of error:  $\pm 1$ kg/drum

## Storage

Hygroscopic. Use dry nitrogen or low dew point air for tank padding. Keep drums tightly closed to prevent contamination. Store at 15~25°C. Observe all federal, state and local regulations when storing this substance. Store away from incompatible substances.

## Shelf Life

Under recommended storage conditions, the shelf life of AU1 and 8018/8599 is 6 months. If the production is overdue, but it's main physical and chemical properties in the guide line, may not effect on its using properties.

## Safety

Most polyol generally present no significant hazard in use when simple precautions are followed. No special ventilation is recommended under anticipate conditions of normal use beyond that needed for normal comfort control. Eye protection such as chemical splash goggles and / or face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor. Contact lenses must not be worn. Emergency eye wash: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.

## Declaration

The data in this manual are provided as general information only. The guaranteed specifications please see the Quality Warranty or the contract. It is the user's responsibility to test the material and its suitability for a process. We have no control over what another party does with the material and we cannot take any responsibility for another party's action. Nor will we be responsible for any indirect damages while using our products. For more details, contact Market Department or technical service center.

For more information, please refer to our MSDS or contact our customer service



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