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Technical Data Sheet

Revision Date : 2021-01-06

NO. PO_S

Name : WANEFOAM RCP6344-101

Version : 3.0

Application

WANEFOAM RCP6344-101 formulated polyol is designed to be used with

cyclopentane blowing agent. It is widely used for the manufacture of refrigerator or freezer. Excellent operability, flowability and good demolding are the main features when it reacts with WANNATE PM-2010 or PM-200 which are the recommended isocyanates for the formulation. The manufactured foam has good density distribution, high compressive strength and excellent dimensional stability. As with any product, the use of the WANEFOAM RCP6344-101 formulated polyol in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability

Typical Physical Properties

Property	WANEFOAM RCP634 - 101	Standard
Appearance	Pale yellow to reddish brown / transparent liquid	
Viscosity at 25°C, cps	4300±700	GB/T 12008.7-2010
Specific Gravity	1.08±0.05	GB/T 4472-2011
OHv, mg KOH/g	330±15	GB/T 12008.3-2009
Water Content (%)	2.25±0.11	GB/T 22313-2008

Processing Conditions

WANEFOAM RCP6344-101 system can be processed by high (or low) pressure

machine. It is essential to have equipment that consistently delivers accurate amounts of polyol and isocyanate to be mixed to achieve a production with high performance.



Processing Parameters

Hand Mix Reactivity

Component Temperature at 21±1°C

Iso/Formulated Polyol/ Cyclopentane (w/w)	145/100/13
Mixing Time, sec.	6
Cream Time,	9±2
sec Gel Time, sec	70±10
Free Rise Density, Kg/ m ³ 24.	8±1.2

Machine Mix Reactivity

Component Temperature at 21±1°C

Iso/Formulated Polyol/ Cyclopentane (w/w)	145/100/13
Cream Time, sec	6±2
Gel Time, sec	60±8
Free Rise Density, Kg/ m ³	23.8±1.2

Remark: Above data is obtained at Wanhua's Lab; Actual data at customer site may be different because of test machine and condition, etc

Typical Physical Properties (Mold temperature at 40°C)

Item		
Core Density	33.5	GB/T 6343-2009
Compressive Strength (kPa)	168	GB/T 8813-2008
Dimensional Stability (-30°C 24hr), %	-0.18	GB/T 8811-2008
10°C Thermal Conductivity (mW/m.K)	19.80	GB/T 10295-2008



Package(s)

Iron drums, IBC tanks, tank wagons and other suitable packages, if necessary.

Storage

WANEF OAM RCP6344-101 should be kept in properly sealed, moisture-tight containers and stored indoors at ambient temperature (15-35°C) in a dry and well-ventilated area. Storage at low temperature (below 5°C) may lead to viscosity increases markedly, and this may cause difficulties in processing. Extended storage at temperatures above 60°C is not recommended to prevent from deterioration of the product quality.

Shelf Life

Under recommended storage conditions, the shelf life of WANEF OAM RCP6344-101 is 6 months since the date of production.

Safety

Most polyols 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 fountains and safety showers should be available in the immediate vicinity of any potential exposure. Not normally considered a skin hazard. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.

Spill and Disposal

Stop leak if you can do it without risk. For small spills, take up with sand or other absorbent material and place into clean, dry containers for later disposal. Large spill should be collected for disposal and then be cleaned by the rag with lye or acetone, prevent flow to sewer/public waters. Keep unnecessary people away, isolate hazard area and deny entry. All of the collected waste material should be handled according to the regulation of the local environment agency

For more information about safety and environment, please refer to our SDS or contact our customer service center.



ANGEL GROUP

Version information:

Date of 1st revise: Sep. 26, 2016, Reason for revision: Unified the template of TDS.

Date of 2nd revise: Jan. 10, 2017, Reason for revision: Company information and product description updated.

Date of 2nd revise: Jan. 10, 2017, Reason for revision: Change of company LOGO

For further information please contact us:

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The information provided here is for reference only. The specification will be provided in the quality certificate or in 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. The user is welcome to contact our customer and technical service center with questions on our products.