

Technical Data Sheet

ESPUREPOL™ AR100VR

Description

ESPUREPOL™ AR100VR is a cost-efficient aromatic polyester polyol used as a viscosity reducer in rigid polyurethane system. The rigid system is used in insulation of roof panels, wall panels, vessels, and tanks. The foam has a good surface finish with excellent cell structure and good inter-laminar adhesion. The base monomers are polyethylene glycol and vegetable oil(s).

Typical Component Properties

Serial No.	Characteristics	Unit	Specifications
1.	Physical State	None	Liquid
2.	Colour	None	Clear Yellow
3.	Specific Gravity	None	1.20 - 1.28 (25°C)
4.	Viscosity	cps	800 - 1000 (25°C)
5.	Hydroxyl Value	mgKOH/g	260 ± 20
6.	Acid Value	mgKOH/g	<1.0
7.	pH	None	6-7
8.	Functionality	None	2.0
9.	Average Molecular Weight	None	600

Handling and Storage

The product must be stored out of direct sunlight, weather, and direct external fire sources. The containers must always be kept sealed against moisture. Ideal storage temperature is approximately 20°C or less. Under these conditions, the product will remain stable for 6 months.

Safety Precautions

ESPUREPOL™ is a blend of polyether polyols and other components, which include a small percentage of tertiary aliphatic amines.

- Because of its alkaline character, ESPUREPOL™ may cause slight to moderate irritation when it is exposed to the skin, the eyes, and the mucous membranes.
- Safety goggles and impermeable protective gloves should always be worn if there is a risk of direct exposure when handling ESPUREPOL™.
- Splashes that are exposed to skin must be wiped off immediately and the contaminated areas must be thoroughly washed with soap and water.
- Affected areas should be treated with a good barrier cream.
- To prevent further contact with the skin, contaminated clothing should be changed immediately and thoroughly cleaned before reuse.
- The product must be kept away from food items.
- Anyone involved in the application of the system must familiarize themselves with the safety precautions required of rigid polyurethane foam.

Disclaimer

The information in this technical data sheet is believed to be accurate but is made without warranty. The values listed are typical properties for the material and should not be considered product specifications. Shakun Industries disclaims any liability in connection with the use of this information and does not guarantee against infringement because of the use of any of its products in combination with other materials or in any process. It is the buyer's responsibility to determine whether Shakun products are appropriate for buyer's use and to ensure that buyer's workplace and disposal practices are in compliance with applicable laws and regulations. No freedom from any patents owned by Shakun Industries or other industrial or intellectual property rights is granted or to be inferred.

Contact Information:

For more information about PU systems,
contact us: <https://www.shakunindustries.com>



---- END OF TECHNICAL DATA SHEET ----