

SHAKUN POLYESTER AR100FR

Shakun Polyester AR100FR is a cost efficient aromatic polyester for fire retardant rigid polyurethane system. The fire retardant rigid system is used in panel insulation, wall insulation, etc. The foam has a good surface finish with excellent cell structure and good inter-laminar adhesion. The base monomers are diethylene glycol and phthalic anhydride.

PRODUCT SPECIFICATION

SI. NO.	CHARACTERISTICS	UNIT	SPECIFICATION
1	Appearance	None	Liquid
2	Colour	None	Dark Yellow
3	Density	g/mL	1.20 – 1.28
4	Viscosity (30°C)	CPS	6000 – 8000
5	OH Value	mgKOH/g	380 - 430
6	Acid Value	mgKOH/g	< 0.5
7	PH	None	6-7

The overall density and viscosity varies because of the ambient and substrate temperatures.

STORAGE STABILITY

The product must be stored out of direct sunlight and weather. The containers must be kept sealed against moisture at all times in storage. Ideal storage temperature is approximately 20°C. Under these conditions, the product will remain stable for 6 months.

SAFETY PRECUATIONS DURING HANDLING

Shakun Polyol is a blend of Polyether polyols and other components, which include a small percentage of tertiary aliphatic amines.

- Because of its alkaline character, Shakun Polyol 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 Shakun Polyol.
- 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.

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