

ROVPOL 2200
(Palm Based Polyol)

ROVPOL 2200 is a natural based polyol from palm oil derivatives. It is suitable to be used for adhesive application especially in the medium density fiber board forming process, with mixing of palm based polyol with isocyanate in appropriate ratio. The product is compatible to petrochemical source polyol.

1. Properties

Item	Specification
Appearance	Colorless to light yellowish liquid
Viscosity	300 - 700 cps at 26-28°C
Specific Gravity ($H_2O = 1$)	0.96
Acid Value	<20 mgKOH/g
Hydroxyl Value	160 - 180 mgKOH/g
Moisture Content	<2%
Molecular Weight	500-600

2. Applications

ROVPOL 2200 can be used for polyurethane adhesive application especially to make glue resin for medium density fiber board (MDF).

3. Precautions

- 3.1 Store at cool, dry, clean and dark place.
- 3.2 In case of skin contact, wash thoroughly with soap and water.
- 3.3 In case of eye contact, wash out with water for more than 15 minutes and immediately get medical care.
- 3.4 If swallowed, immediately call a doctor.

4. Shelf Life

6 months under above mentioned storage condition

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5. Packaging

Drum: 200 kg* (**other packing size is possible depending on volume of purchase*)

6. Additional Information

Recommended mixing ratio for palm based polyurethane adhesive

Material	Parts by Weight
ROVPOL 2200	100
Isocyanate	50

Test results of palm based polyurethane adhesive using the above ratio

Test	Result
Tack Free Time	45 – 60 minutes
Curing Time	95 – 105 minutes
Shear Strength	12.50 ± 1.53 kgf/cm ²
Peel Strength	4.85 ± 0.56 kgf/25mm

** All above tests were carried out at 27–30C, 55–75% RH*

This information given above is true, based on our own study, research work and experience. Rovski Industries Sdn Bhd does not provide warranty or guarantee for products made at different conditions for which are beyond our control. All separate trial cases should be studied and tested to obtain own parameter before any order and delivery.

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