

SF9080 Single-component Solvent Free Polyurethane Adhesive

Description

SF9080 is a single-component solvent free polyurethane adhesive, specially used in laminating paper/film and paper/foil. It is workable for both rough side and plain side of paper.

Declaration

OCHEM SF9080 is a single-component solvent-free polyurethane adhesive are in compliance with the positive lists of the following, internationally accepted guidelines for the production of articles intended to come into indirect contact with food stuff.

- EU RoHS directive (EU) 2015/863 amending Annex II to directive 2011/65/EU
- CFR, title 21, § 175.105 of the FDA, Washington D.C., respectively
- Regulation (EC) No 1907/2006 concerning the REACH

Technical Properties.

These properties are typical but do not constitute specifications.

Item	SF9080
Type	Main agent (Hardener)
Ingredient	NCO
Appearance	Yellowish or colorless transparent liquid
Density	1.16g/cm ³
Solid Content(%)	100%
Viscosity (BKF90℃)	1900±300
Shelf life	360days

Typical Features:

- After completely crosslinking reaction, the laminated film is a high molecular polymer film which has good adhesion on various substrates. And it has the advantages of high transparency, odorlessness, elasticity and aging resistance.
- Excellent performance of machining, High speed laminating process,
- Lower coating weight , greatly decline the production cost; without drying section , save the cost of energy; without solvent, save the cost of material
- Inflammable , avoid the risk of fire accident. Without the solvent, be unharmed to the workers .
- Available to operate in Room-temperature , easy to clean

Recommended Operating Conditions

◆ Lamination condition:

Precise tension control and proper winding procedure could avoid delamination,

tunneling and curling

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|---|--|--|--------------------------|--|
| ◆ | Pot Life | Static | 45 minutes approximately | |
| ◆ | | Dynamic | 60 minutes approximately | |
| ◆ | Dry Coating Weight | paper plain side:2.5-3.0gsm; paper rough side:3.0-3.5gsm | | |
| ◆ | Pressure Disc temperature | 95℃ -100℃ | | |
| ◆ | Conveying Tube Temperature: | 95~100℃ | | |
| ◆ | Transferring Roller Temperature" | 80~90℃ | | |
| ◆ | Metering Roller | 80~90℃ | | |
| ◆ | Coating Temperature | 80~90℃ | | |
| ◆ | Laminating Temperature | 35~50℃ | | |
| ◆ | Cure Time | 36 hours (45-55℃) 36-72 hours(25℃) | | |
| ◆ | Cleaning Solvent | Ethyl Acetate | | |
| ◆ | Clean: Once the equipment is stopped (over 60 minutes), the solvent/plasticizer mixture is applied to clean the five coating rollers system(should comply with safety rules). The same cleaning procedure should also be performed when the equipment has completely stopped running. | | | |

Note : This adhesive is continuously added to the coating gap by conveying by a metering pump with a round disc pressure head. This pressure disc directly insert in our adhesive drums which is fully-opened at top side drum. Please let us know your pressure disc size which shall conform to inner diameter of round drum

Package

Pack in steel drum normally.

20kg/drum or 200kg/barrel

Safety & Storage

Store in cool, dry, well-ventilated area away from heat and ignition sources . Keep container tightly