

HHD 5510

SOLVENT FREE POLYURETHANE ADHESIVE

TECHNICAL DATA SHEET

July 2022



PRODUCT DESCRIPTION

HHD 5510 is a one-component, solvent-free, moisture curing polyurethane adhesive. Once it has been dispensed, the adhesive will react with ambient moisture or water content of the substrates to yield a cross-linked thermoset adhesive. HHD 5510 contains a fluorescent agent allowing for UV inspection.

KEY FEATURES

- Excellent adhesion to a variety of substrates including glass and metal
- High initial strength
- Long open time
- Good aging resistance
- Precision dispensing and good stability

METHOD OF USE

HHD 5510 can be applied through a usual syringe type melting equipment. The weight of coating can vary according to the substrates and applications.

APPLICATIONS

HHD 5510 has been specifically designed for structure parts bonding.

STORAGE

HHD 5510 should be stored in a dry place at a temperature ranging between 15°C and 25°C. It should be processed immediately after the container has been opened.

HEALTH/SAFETY

Read Material Safety Data Sheet before using and handling this product. MSDS is available upon request.

TECHNICAL DATA

CHARACTERISTIC	VALUE
Appearance (solid)	White to Yellowish
Brookfield Viscosity thermosel @ 110°C	3,500~5,500 [mPa.s] (27#)
Open time*	2~4 [min]
Density	1.0~1.1 [g/cm ³]
Tensile Strength**	>10 [MPa]
Elongation at break**	>800 [%]
Application Temperature	100~120 [°C]

*Open time is an application factor that depends on the environment temperature, substrates and application process.

**Cured for 8 days, curing conditions are 20°C-25°C, R.H.60%-70%

CURING TIME

The cure rate depends on the substrate type, moisture permeability and ambient conditions. HHD 5510 exhibits high strength instantly after being joined. However, optimum properties can be attained after one to five days at room temperature.

PACKAGING

30mL – White PP plastic syringes

CLEANING

Remove uncured waxy material by scraping with a putty knife or similar tool. For cured material, remove by cutting or sanding. Do not use any heat or flame fire to remove adhesive.

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SMART HELP

Please contact your local representative



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