

# HHD 5539BK

SOLVENT FREE POLYURETHANE ADHESIVE

TECHNICAL DATA SHEET

July 2022



## PRODUCT DESCRIPTION

HHD 5539BK 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 5539BK contains a fluorescent agent allowing for UV inspection.

### **KEY FEATURES**

- → Excellent adhesion to a variety of substrates including plastic and metal
- → High impact resistance
- → Fast curing speed
- → Precision dispensing and good stability
- → Reworkable
- → Water proof

#### METHOD OF USE

HHD 5539BK can be applied through a usual syringe type melting equipment. The weight of coating can vary according to the substrates and applications.

## **APPLICATIONS**

HHD 5539BK has been specifically designed for touch panel bonding.

#### **STORAGE**

HHD 5539BK 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)	Black
Brookfield Viscosity thermosel @ 110°C	3,500~5,500[mPa.s](27#)
Open time*	2~4[min]
Density	1.0~1.1[g/cm³]
Tensile Strength**	>10[MPa]
Elongation at break**	>800[%]
Application Temperature	100~120[°C]

<sup>\*</sup>Open time is an application factor that depends on the environment temperature, substrates and application process.

#### **CURING TIME**

The cure rate depends on the substrate type, moisture permeability and ambient conditions. HHD 5539BK 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

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





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