

SHIKOH™ UV-3310B

SHIKOH™ UV-3310B is aliphatic urethane acrylate oligomer, which has features as follows.

[Features]

- ✓ Soft-Elastic type oligomer
- ✓ Good adhesion to polycarbonate
- ✓ Weather resistance
- ✓ Non-yellowing

[General properties] *

Measurement item	UV-3310B
Appearance	Slightly yellow, clear viscous liquid
Color (Gardner)	Less or equal 1
Hardening ingredient (%)	100
Viscosity at 60 degree C (mPa·s)	40,000 - 70,000
Remaining NCO (%)	Less or equal 0.3
Mw (GPC)	5,000
Functionality	2

*This is not standard data but reference data.

[Characteristics]

Measurement item	UV-3310B
Pencil hardness (on PET)	2B
Glass transition temperature (degree C)	22
Tensile properties	
Modulus (N/mm ²)	230
Tensile strength (N/mm ²)	40
Elongation (%)	80
Adhesion to polycarbonate	100/100

- * Formulation: UV-3310B/Darocur 1173 = 100/4 (wt ratio) [Darocur 1173: Supplied by BASF SE]
****SHIKOH™ does NOT contain photoinitiator.**
- * UV irradiating condition: 80 W/cm (High-pressure mercury lamp)
 18 cmH × 2.5 m/min × 2 pass under air (800 mJ/cm²)
 Complied with JIS K 5600 (Thickness: 10 μm)
- *Pencil hardness: Measured by TMA
- *Glass transition temperature: 20 degree C × 65%RH
- *Tensile test: Test sample: Strip specimen (15 mm width, 25 mm length)
 Tensile rate = 10 mm/min
 Modulus: Calculated by strength and elongation at 1% elongation
 Complied with JIS K 5600, Method of tape peel (1 mm-cross cut)
- * Adhesion to polycarbonate:

[Precautions]

Caution should be taken to avoid contact with skin and eyes and clothing. In case of contact with skin, immediately wash with soap and water.

[Storage Information]

SHIKOH™ urethane acrylate oligomers should be stored at temperatures below 35 degree C, should be kept away from direct sunlight or fire and other such conditions as polymerization reaction is caused by.

Storage should be in epoxy coating steel containers. Headspace should be present in storage cans to support the oxygen requirements of the inhibitors, which have been added to enhance storage life.

These products should be used within six months of receipt for optimum results.

*The data herein is the typical value according to our measurements, does not mean standard.

