



TS856

TS856 is a kind of 2K PU structural adhesive, it is mainly used for composite materials bonding and can be cured at room temperature or can be accelerated with heating, after curing it has excellent adhesion, impact resistance, water resistance, electric isolation and corrosion resistance properties.

Chemical base	Polyurethane
Product type	Structural adhesive
Component	2 components
Curing type	Reactive
Aspect/Color	Part A: Black
	Part B: Yellow
	Mixed: Black
Viscosity	Part A: 70,000mPa.s approx.
	Part B: 40,000 mPa.s approx.

Feature and benefits

- Suitable for kinds of composites bonding
- Toughness and high strength
- Fast curing speed

Curing condition

TS856 can be cured at room temperature or can be accelerated with heating.

For more information, please ask for our technical advice.

Application instruction

1. Surfaces must be clean, dry and free from all traces of grease, oil and dust.
 2. Part A and B are mixed homogeneous with a static mixer before applying.
- Note: the mixed adhesive must be applied during pot life.

Storage condition

1. Part A and B are sensitive to moisture. It should be stored in tightly closed containers.
2. Part A and B must be stored and applied between 15 - 30°C. During delivery both components can be exposed down to 0°C for a maximum of 5 days. Do not use crystallized or inhomogeneous components.
3. Shelf life at 15-30°C for 6 months.

Typical package

- 4:1 400ml cartridge;
 - 5 gallon pail and 55 gallon pail
- For more information, please ask for our sales

Disposal and Safety advice

Please refer to the MSDS

Technical data

Viscosity	Value	Test standard
Viscosity of Part A	70,000 mPa.s approx.	GB/T 2794
Viscosity of Part B	40,000 mPa.s approx.	GB/T 2794
Density of Part A	1.37±0.05 g.ml ⁻¹	N.A.
Density of Part B	1.37±0.05 g.ml ⁻¹	N.A.
Mixed ratio		
By volume	4:1	N.A.
By weight	4:1	N.A.
Curing details		
Open time (35±2)°C	5min approx.	N.A.
Green strength(90°C/80s)	1.0Mpa approx.	N.A.
Properties after curing		
Hardness Shore A	60-70A	GB/T 531
Tensile strength	≥2.5 Mpa	GB/T 528
Elongation	≥200%	GB/T 528
Lap-shear strength	≥2.5 Mpa	GB/T 7124
Temperature resistance		
Service temperature	-40-100 °C	N.A.

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