

Technical Data Sheet

03/2018

Characteristics

BLD-8221 is one-component, high-performance polyurethane sealant. Fast cure without shrinkage. No corrosion and pollution to base materials and environment-friendly. Bonds well to the main materials used in motor vehicles.

BLD - 8221 Polyurethane Sealant

Performance	Measured Value	Testing Method
Test at 50±5% RH and temperature 23±2 °C		
Density (g/cm ³)	1.3±0.1	GB/T 13477
Tack- Free Time (min)	40-60	GB/T 13477
Curing Speed (mm/d)	2	GB/T 32369
As Cured - After 21days at 50±5% RH and temperature 23±2 °C		
Hardness (Shore A)	40	GB/ T531
Tensile strength (Mpa)	1.8	GB/T528
Tear strength (Mpa)	8	GB/T529
Shear strength (Mpa)	1.5	GB/T7124
Temperature resistance	-40 °C ~+ 90 °C	GB/T 13477
Application temperature	+ 5 °C ~ + 35 °C	GB/T 13477
Tear strength under Standard Conditions (Mpa)	8	GB/T 13477

Technical Data Sheet

03/2018

Elongation of Rupture (%)	600	GB/T 528
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Cure Rate

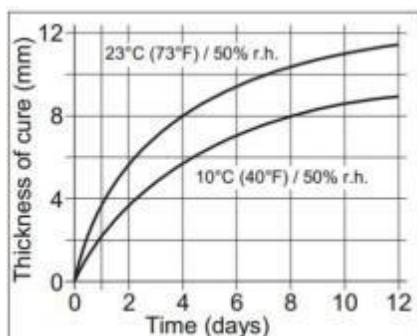


Diagram 1

Typical Use

1. BLD-8221 used for seams, welds, sheet metal and other applications requiring high adhesion and elasticity.
2. Suitable for ferrous metals, non-ferrous metals, painted metals, ceramics and plastics and other substrates.
3. It is especially suitable for bonding body parts of automobiles and motorcycles, or for waterproof sealing of other openings. (For substrate types that are prone to cracking, such as PMMA, polycarbonate, etc., testing must be performed first) Direction for use

1. Remove dust, oil and water from the surface of substrates.
2. Tack free time and curing speed of polyurethane sealant influenced by environment temperature and humidity. Construction environment temperature: 5~35 °C, humidity: 50~70%RH.

Safety Rules

1. Keep the work field drafty.
2. In case of contact with eyes, rinse with plenty of water and appeal to the doctor immediately.
3. Keep away from the children.

Limitation

1. Should not use as structural sealant.
2. Should not be used on the oily or oil-leaking, frosty or damp surface and in the airtight places.

Storage

1. Should be stored separately in cool and dry places, temperature below 25 °C.
2. 12 months shelf life since the date of production.

Transportation

Technical Data Sheet

03/2018

Transported as nonhazardous goods.

Color

Black, white and grey.