

# Technical Data Sheet

03/2022

## ***Characteristics***

BLD-688 is a kind of silane modified polyether sealant with medium and high modulus, one component, neutral curing at room temperature. Compatible with most industrial paints, the surface can be painted after drying, does not affect the curing speed; It has excellent bonding properties to most metals, PVC and polyester materials, and can be cured and positioned quickly without contaminating the substrate. It takes into account the superior performance of polyurethane and silicone sealant, does not contain solvent, does not contain silicone oil, does not contain NCO, and has the advantages of safety, environmental protection and strong weather resistance. It is an ideal substitute for polyurethane and silicone sealant.

### **BLD-688      Modified Polyether Sealant**

<b>Performance</b>	<b>Standard</b>	<b>Measured Value</b>	<b>Testing Method</b>
Test at 50±5% RH and temperature 23±2°C			
Density (g/cm <sup>3</sup> )	1.1±0.05	1.1	
Tack- Free Time (min)	≤180	9	GB/T 13477
Extrusion (ml/min)	≥150	400	GB/T 13477
Slumpability (mm)Vertical	Not change shape	Not change shape	GB/T 13477
Slumpability (mm)Horizontal	≤3	0	GB/T 13477
Curing Speed (mm/d)	/	≥5	/
As Cured - After 21days at 50±5% RH and temp erature 23±2°C			
Hardness (Shore A)	20~60	42	GB/T 531
Tensile Strength under Standard Conditions (Mpa)	/	2.5	GB/T 13477

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Elongation of Rupture (%)	/	200%	GB/T 13477
Quality loss rate	≤5	2	GB/T 13477

***For best results:***

1. Apply at temperature of 4°C to 40 °C.
2. Not for continuous underwater use, high temperature surfaces or for surface defects.
3. Store product below 27°C and away from moisture.
4. Recommended joint size for application: width from 6mm to 24 mm; depth from 6mm to 12 mm.

***Application:***

The surface must be clean, dry and stable.

1. Cut nozzle at a 45° angle to desired bead size.
2. Load cartridge into caulking gun.
3. Fill gap with sealant, pushing sealant ahead of nozzle.
4. Clean up excess uncured sealant from surface and tools. Sealant cannot be painted on.

***Technical data:***

Neutral-cross-linking polymer. Temperature resistant from -30°C to 90°C. Working temperature: 4°C to 40°C. Touch-dry in approximately 1 hr. Maximum long-term absorption of movement: 25% ***Warning:***

Contains 2-Butanone which may produce an allergic reaction. Use with adequate ventilation. Avoid breathing vapors by opening windows and doors or use other means to ensure fresh air entry during application and drying. HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN. May cause allergic sensitization. Avoid contact with eyes and skin. Wear gloves and safety glasses. Remove contact lenses before use.

Do not handle lenses until all sealant has been cleaned from fingertips/nails.

***First aid: SKIN:***

Wash thoroughly. EYE: Flood with large quantities of water. INHALATION: Remove to fresh air. INGESTION: DO NOT INDUCE VOMITING. Get medical attention immediately. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

***Color:***

Ultra-Clear