

# Technical Data Sheet

## Lejell®-241

Revision Date: 5 May 2022

### Low Modulus Construction Joint Sealant

#### DESCRIPTION

Lejell-241 is one-component, moisture curable modified polyurethane sealant. Good sealing and flexible performance. No corrosion and pollution to base materials and environment-friendly. Pricking resistance, easy for repairing. Good bonding with cement and stone.

#### PROPERTIES

- One-component, excellent extrusion, no-sag, easy construction.
- Low modulus, 20LM, high movement-resistance.

#### APPLICATIONS

Suitable for sealing joint of underground tunnel, bridge tunnel, drains, sewages pipes, epoxy floor, concrete internal walls.

Suitable for sealing of various holes in walls and floorslab. .

#### TECHNICAL DATA

Items:	Test Std	Requirement	Typical value
Appearance	/	Black, Grey, White, homogeneous paste	/
Density	GB/T 13477.2	$1.5 \pm 0.1$	1.51
Extrudability(ml/min)	GB/T 13477.4	$\geq 150$	600
Sagging properties (mm)	GB/T 13477.6	$\leq 3$	0
Tack free time (h)	GB/T 13477.5	$\leq 24$	1.5
Curing speed (mm/d)	HG/T 4363	$\geq 2.0$	2.7
Volatile contents ( %)	GB/T 2793	$\leq 8$	2
Shore A-hardness	GB/T 531.1	20~40	25
Tensile strength(MPa)	GB/T 528	$\geq 0.8$	1.1
Elongation at break(%)	GB/T 528	$\geq 500$	550
Tensile modulus ( MPa)	GB/T 13477.8	$\leq 0.4$ (23°C)	0.25
Tensile properties at maintained extension	GB/T 13477.10	No failure	No failure
Adhesion/cohesion properties at maintained extension after water immersion	GB/T 13477.11	No failure	No failure

Adhesion/cohesion properties at variable temperature	GB/T 13477.13	No failure	No failure
Elastic recovery rate%	GB/T 13477.17	≥70	75
Operating temperature(°C)	/	-40~90	

Notes: All data above were tested under standardized condition at 23±2°C、50±5%RH

## DIRECTIONS FOR USE

- Remove dust, oil and water from the surface of substrates.
- 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.
- For Construction method, please refer to PUSTAR's construction description or consult technical personnel.

## PACKAGING

Cartridge	310ML
Sausage	400ML / 600ML
Drum	240KGS

## TRANSPORT AND STORAGE

- Transport: Keep away the sealed product from moisture, the sun, high temperature and avoid collisions.
- Storage: Keep sealed into cool, dry place. Temperature: 5~25°C. Humidity: ≤50%RH.
- Shelf Life: Cartridge and Sausage 9 month, Drum 6 month.

## SAFETY

- Keep away from children.
- Avoid contacting with skin and eye. For skin contacted, remove the sealant by cloth, wash skin thoroughly with soap and water.
- For eye contacted, hold eyelids apart and flush thoroughly with water, contact physician.

## DISCLAIMER

All recommendations concerning our products, including transportation, storage, and handing are based on our current knowledge and experience under normal conditions. In practical application, results may differ because of materials and actual site conditions change, our company do any guarantee and bear any legal responsibility. In order to ensure the bonding effect and the compatibility of products and materials, it is recommended to do the compatibility test or consult our company's Technical Services before proceeding with the full application.