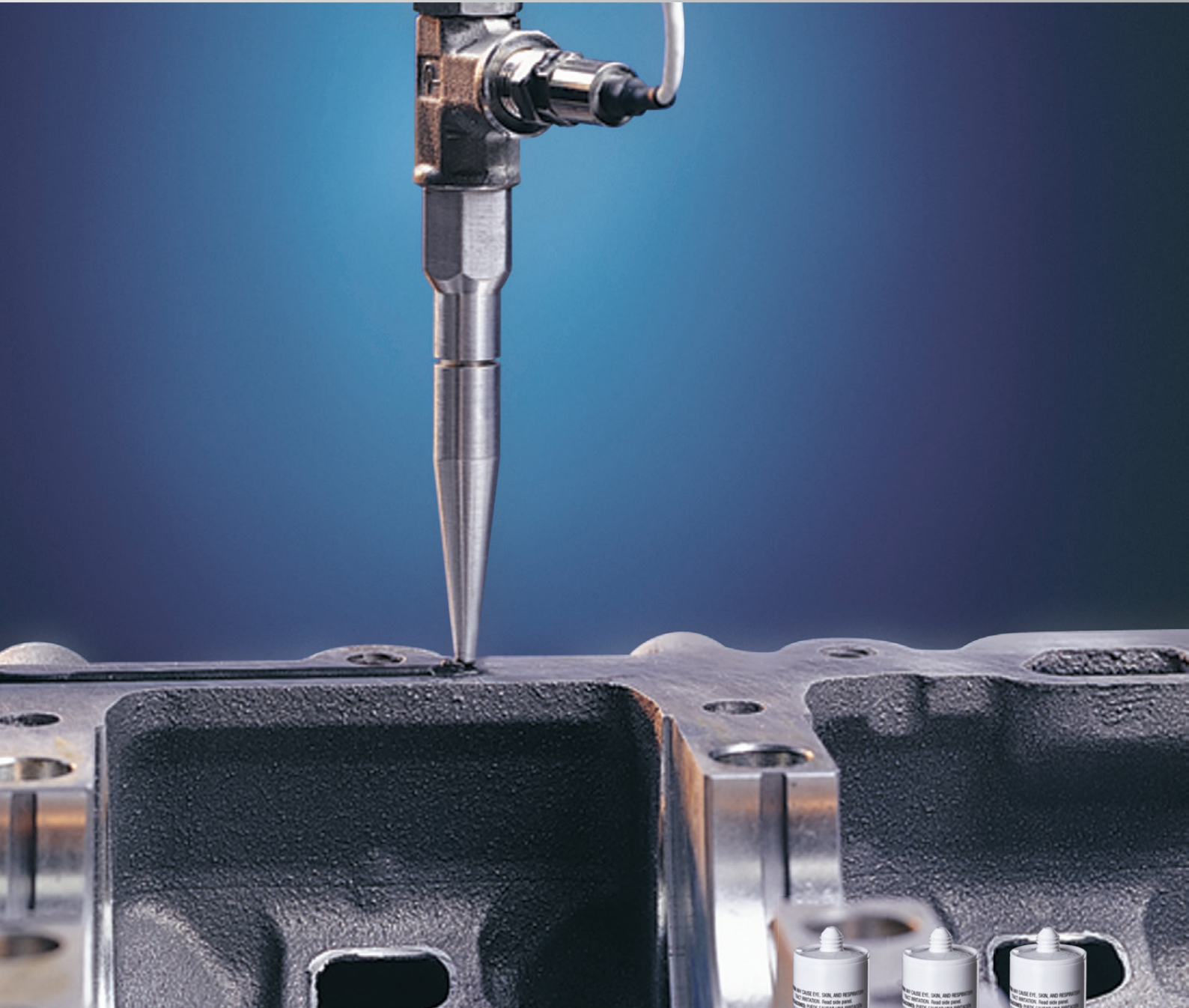


LOCTITE[®]



Loctite 5810

Formed-in-Place Polyacrylate Gasket

Loctite 5810 series deliver one complete solution to several complex powertrain challenges by providing a more durable seal for automotive engines, transmission and driveline applications. The use of formed-in-place gaskets can lower material costs as much as 95% over conventional molded gaskets.



LOCTITE 5810 represents a polyacrylate, formed-in-place liquid gasketing technology.

Henkel's dedicated technical resources provide assembly solutions on site to improve your product and productivity by offering:

- > Design specification and testing
- > Process setup and optimization
- > Application equipment and system integration

Benefits

- > High level of resistance to aggressive transmission oils and gear lubes
- > Non-silicone, polyacrylate sealant prevents oil foaming
- > 9 times better permeation resistance versus liquid silicone gasket
- > Heavy bodied viscosity allows immediate on-line pressure checks
- > Paintable

Typical Applications of LOCTITE 5810

Transmission

- > Case halves
- > Covers
- > Oil pans

Differential/Axle

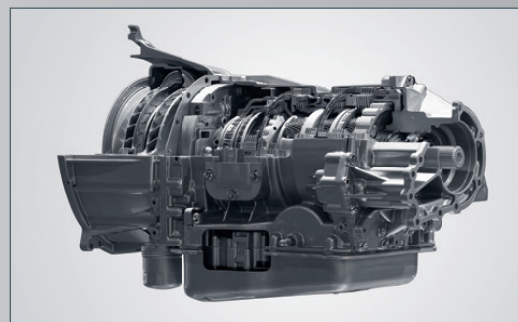
- > Case halves
- > Covers

Engine

- > Oil pans
- > Front covers

| Technical Data | |
|---------------------------------------|---|
| Product family | Polyacrylate |
| Color | Black |
| Hardness (Shore A) | 18-35 |
| Tensile strength (N/mm ²) | ≥ 1 |
| Elongation at break | ≥ 150% |
| Operating temperature | -40°C to +150°C |
| Skin over time (min) | 30 (LOCTITE 5810B) – 120 (LOCTITE 5810A, LOCTITE 5810F) |
| Fluorescent | LOCTITE 5810F positive under UV light |
| Gap fill | Very good |
| Gas permeation resistance | Excellent |
| Adhesion to metal | Very good |
| Curing speed | Long open time |

For full technical details please refer to the Technical Data Sheet.



Europe
Germany
 Henkel AG & Co. KGaA
 (Headquarters)
 Henkelstraße 67
 40589 Düsseldorf
 Germany
 Phone: (+49) 211 797-0

Asia-Pacific
China
 Henkel (China) Co. Ltd.
 No. 928 Zhang Heng Road
 Pu Dong
 201203 Shanghai
 China
 Phone: (+86) 21 2891 8000

Americas
U.S.A.
 Henkel Corporation
 Madison Heights
 32100 Stephenson Highway
 Madison Heights, MI 48071
 United States
 Phone: (+1) 248 583 9300

www.henkel-adhesives.com/automotive

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