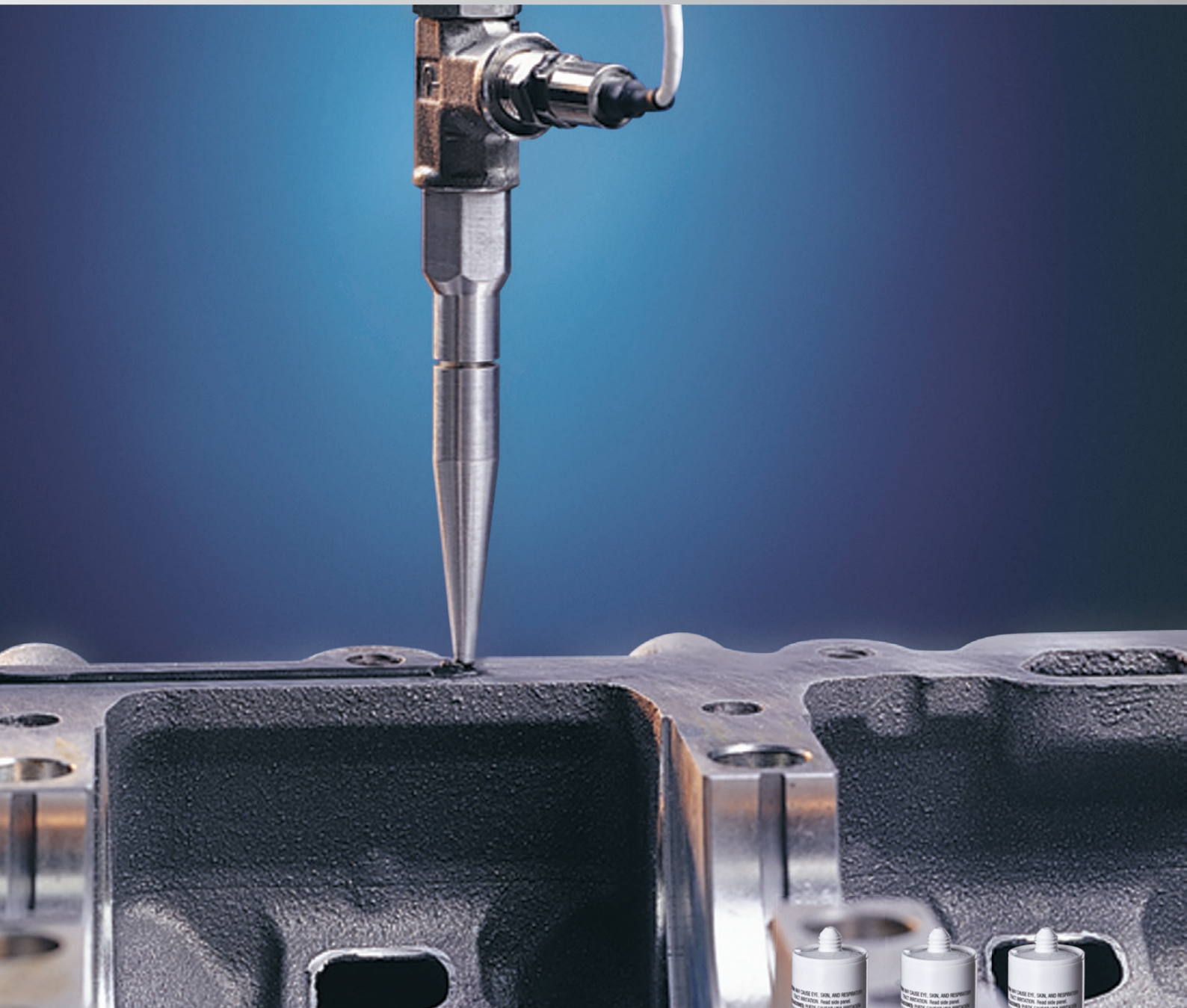


LOCTITE®



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.



Henkel

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

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.

Typical Applications of LOCTITE 5810

Transmission

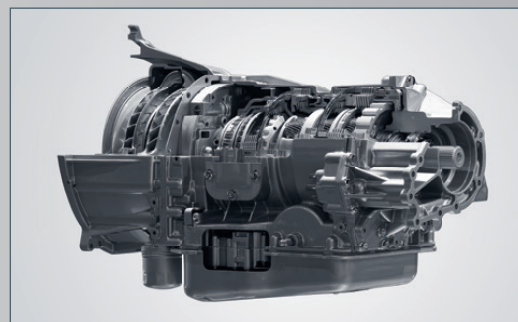
- > Case halves
- > Covers
- > Oil pans

Differential/Axle

- > Case halves
- > Covers

Engine

- > Oil pans
- > Front covers



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

The data contained herein are intended as reference only. Please contact Henkel AG & Co. KGaA for assistance and recommendation on specifications for these products.

® designates a trademark of Henkel AG & Co. KGaA or its affiliates, registered in Germany and elsewhere
 © Henkel AG & Co. KGaA, 2015