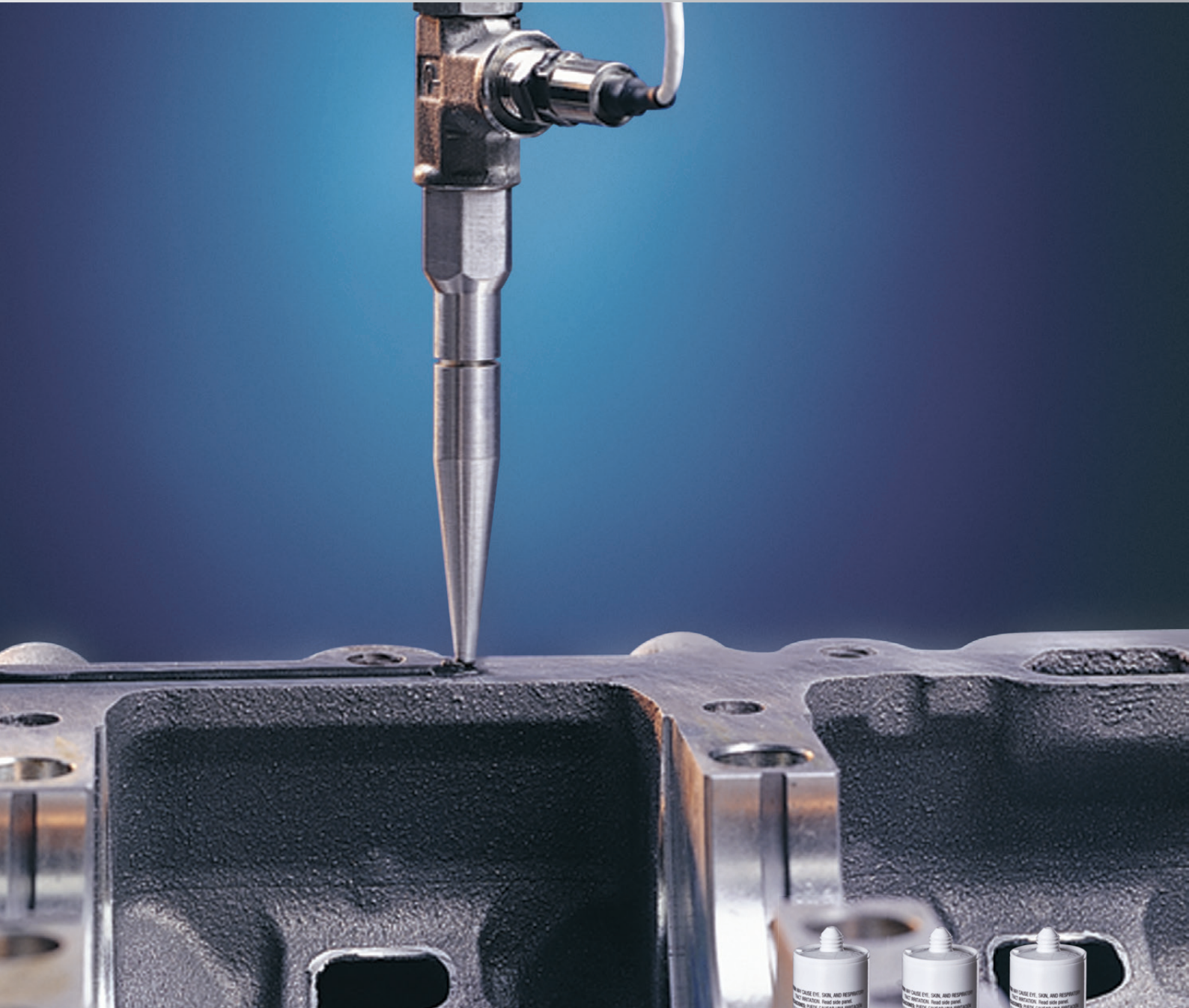


**LOCTITE**<sup>®</sup>



## 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

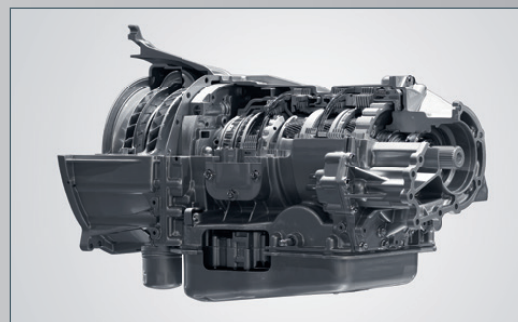
#### Engine

- > Oil pans
- > Front covers

### Technical Data

Product family	Polyacrylate
Color	Black
Hardness (Shore A)	18-35
Tensile strength (N/mm <sup>2</sup> )	≥ 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.



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