

# UV CURABLE CIPG – CURED-IN-PLACE GASKET



Liquid gaskets offer a simple and effective solution for sealing even complex 3D geometries that conventional gaskets cannot reliably seal.

Hoenle's cured-in-place gaskets (CIPG) cure rapidly under UV light, providing immediate protection for sensitive electronic components against elevated temperatures, moisture, mechanical impact, and harsh automotive fluids.

With high temperature and mechanical resistance under both dynamic and static loads, they are a reliable alternative to solid gaskets, particularly for demanding automotive applications.

These products are especially well suited for Maintenance, Repair and Overhaul (MRO) scenarios, where housings can be opened and resealed without replacing the gasket.

## KEY ADVANTAGES

- **Low compression set**  
Temperature resistant up to 150 °C
- **High resistance**  
Durable under dynamic & static loads
- **Design flexibility**  
Adapts to design changes & adheres to metals/plastics
- **Extra features**  
Blue fluorescence, CMR-free, UL 94-HB compliant
- **System provider**  
Includes LED curing equipment for efficiency & cost savings



FAST CURING VIA  
UV OR LED-UV



LOW COMPRESSION SET

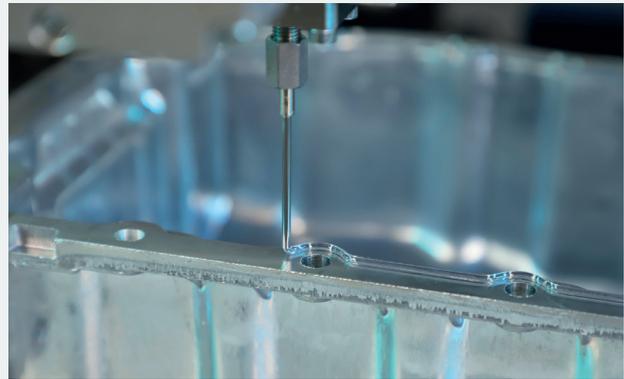


FOR COMPLEX GEOMETRIES

# VITRALIT® CIPG 60200

## OUTLINE

- Blue-fluorescent polyacrylate, CMR-free
- Ensures joint tightness upon compression to prevent leakage of fluids and/or gases
- Versatile, design-neutral sealant for housings of ECU, BDU, OBC, CMC etc. to replace solid and stamped gaskets as well as FIPG (RTV Silicone)
- UL 94 HB compatible
- Designed for MRO: Can be re-used after disassembly
- High repulsive force after compression at high temperatures -> Compression set of 15 % after 24h @ 150°C (ASTM D395-B)
- High dimensional stability in uncured state and good processability (needle dispensing)
- Surface „tackiness“ can be adjusted by different curing parameters (LED 365 or 405 nm or gas discharge lamp)
- Outstanding chemical resistance against engine oil, ATF (Automatic Transmission Fluid), brake fluid, water/ glycol (50:50)
- Temperature resistance: -40 to >150 °C
- Low outgassing



Vitralit® CIPG 60200	Viscosity (mPas)	Thixotropic index	Curing	Hardness (Shore)
<b>Adhesive characteristics</b>	65,000	5	UV-A / LED 365 / LED 405 minimum 15 s	A 40

Material performance (1000h)	Initial	150°C	Engine oil @150°C	HH/HT (85% r.h./85°C)	Water/Glycol 50:50 @85°C
<b>Elongation at break (%)</b>	300	200	200	250	250
<b>Tensile strength (MPa)</b>	2	1.7	1.9	1.5	1
<b>Compression set (%)</b>	12	20	20	20	20

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Operating parameters depend on production characteristics and may differ from the foregoing information. We reserve the right to modify technical data.

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