

HEXSIL™ AG

A COST-EFFECTIVE SILICONE SOLUTION FOR THE ARCHITECTURAL GLAZING MARKET





HEXSIL™ AG OFFERINGS

- 60 Shore A Durometer
- 70 Shore A Durometer
- 80 Shore A Durometer
- 90 Shore A Durometer

HEXSIL™



HEXSIL™ AG ADVANTAGES

- Cost-Effective Solutions
- Technical Services
- Local and Global Expertise
- Supply Chain
- Local Supplier
- ISO Certified

FEATURES, BENEFITS AND ADVANTAGES

- **HEXSIL™ AG** is a family of silicone compounds for the architectural glazing market
- **HEXSIL™** is a premium engineered product, meticulously crafted to consistently meet your standards and expectations through our rigorously managed processes
- Our Manufacturing Execution System (MES) ensures consistent quality from batch to batch and order to order

Our mixing facility boasts comprehensive raw material traceability by lot

- Advanced barcode scanning technology
- Six Sigma techniques to ensure process capabilities result in compound consistency
- Fully Automated Process System certified to ISO 9001:2015 & 14001:2015
- **A2LA Accredited for your testing (ISO17025 :2017)**



HEXSIL™



FEATURES, BENEFITS AND ADVANTAGES

- As a local supplier, we can provide quick, expert on-site resolutions to your daily challenges requiring speed and flexibility
- We leverage both local and global expertise to design cost-effective, optimal solutions tailored to your requirements
- Our formulating experts leverage the widest array of suppliers to deliver cost-effective solutions tailored to your application needs

In-Field Technical Services are available to you:

- To optimize your process
- To ensure you maximize your yields and minimize scrap
- To help you leverage VAVE activities to reduce the total cost of acquisition

TECHNICAL DATA SHEET

| Standard (C1115 Type C) | Name | GR60 | Spec | GR70 | Spec | GR80 | Spec | GR90 | Spec |
|---|--|------------------|-----------------------|-----------------|-----------------------|------------------|-----------------------|------------------|-----------------------|
| ASTM D2240-15 (2021) | Hardness (Shore A) | 63 | 60 ± 5 | 71 | 70 ± 5 | 82 | 80 ± 5 | 86 | 85 ± 5 |
| ASTM D412-16 (2021) | Tensile (PSI) Elongation (%) | 932 248% | 725 200% | 1004 167% | 725 125% | 982 119% | 725 100% | 1013 102% | 725 60% |
| ASTM D624-00 (2020) | Tear Die B (LBF/in) | 117 | 51 | 110 | 51 | 126 | 51 | 146 | 40 |
| D573-04 (2019) Heat Age 70 Hrs @ 302° F | Tensile Change (%) Elongation Change (%) Hardness Change (pts) | -3% -22% 3 | ± 15% ± 30% ± 5 | 0% -24% 5 | ± 15% ± 30% ± 5 | -8% -23% 1 | ± 15% ± 30% ± 5 | -9% -23% 1 | ± 15% ± 30% ± 5 |
| D395-18 Comp Set 22 Hrs @ 212° F | Compression Set (%) | 8.6% | 15% Max | 6.6% | 15% Max | 7.2% | 20% Max | 7.3% | 25% Max |
| C1166 Flame Resistance | 4 in Max Propagation | Pass | | Pass | | Pass | | Pass | |
| D1149 Ozone Resistance 100 Hrs @ 158° F (300 mPa) | No Cracking Under 7x Magnification | Pass | | Pass | | Pass | | Pass | |
| D2137-11 (2018) 3 min @ -40° F | Brittleness | Pass | | Pass | | Pass | | Pass | |
| ASTM D297-21 | Specific Gravity | 1.41 | | 1.42 | | 1.45 | | 1.50 | |



Our competitors' vertical integration limits their offerings and design capabilities, as they rely solely on their own products. At HEXPOL, we are compounding experts who utilize products from all suppliers to develop tailored solutions for you.



For More Information, please scan the QR code.

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