

# HEXSIL™ HV

PROVEN SILICONE SOLUTIONS FOR THE  
POWER TRANSMISSION MARKET






# HEXSIL™ HV OFFERINGS

HEXSIL™ HV is a family of silicone products for the High Voltage market.

- 65-80 Shore A Durometer
- Injection and Compression Molding
- IEC-TR62039
  - Tracking and Erosion Resistant
  - Hydrophobic
  - Arc Discharge Resistant
  - Flame Resistant (VO)
  - High-Tear Strength



 **HEXPOL**<sup>®</sup> has supplied silicone compounds for high-voltage components for decades. Keeping North America energized.

**HEXSIL**<sup>™</sup>

# HEXSIL™ ADVANTAGES POWERED BY HEXPOL®

- Proven Solutions
- Technical Services
- Local and Global Expertise
- Domestic Supply Chain
- Local Supplier
- ISO Certified



HEXSIL™

# FEATURES, BENEFITS AND ADVANTAGES

- HEXSIL™ HV is a family of silicone compounds for the high voltage market
- HEXSIL™ HV 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 proven solutions, optimal solutions tailored to your requirements
- Our formulating experts leverage the widest array of suppliers to deliver proven 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 (IEC TR62039)	Name	
ASTM D2240-15 (2021)	Hardness (Shore A)	65
IEC 6162	Arc Discharge Resistance	>200 seconds
ASTM C257	Volume Resistivity	$4.4 \times 10^{17}$ ohm-cm
IEC 62631	Dielectric Constant	3.506
IEC 60243	Dielectric Strength	20 kV/mm
IEC 60587	Arc Tracking and Erosion Resistance @ 4.5kV	Class 1A and 1B
IEC 6069	Flammability	V0
Hydrophobicity	Contact Angle	116 °
ASTM D624-00 (2020)	Tear Die B (LBF/in)	> 90

\*PROPERTY OPTIONS CAN BE TAILORED TO SUIT THE UNIQUE NEEDS AND PREFERENCES OF OUR CUSTOMERS



**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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