



A Material Difference
for energy, wire + cable applications



Our Material Difference

Energy management is a high-growth marketplace. With **digitalization** trends, an **increasingly connected** global population, and the switch to **renewable energy**, the demand for power and telecom products is expanding rapidly.

Alongside this growth comes the introduction of stricter regulations and industry standards to **protect people** and **infrastructure**.

To help industry meet these demands, we have put our **50+ years of** experience in polymer compounding into developing one of the most **comprehensive portfolios** in the market.

Working with high-performance materials such as silicone rubber, advanced rubber technologies, additives, HFFR and thermoplastic elastomers (TPE), we offer a unique position; taking a polymer-neutral approach, we can supply the **optimal solution** for your requirements.

HEXPOL is a global polymer group with 50+ production units and R&D laboratories across **Europe, Asia-Pacific** and **NAFTA**.

This international footprint and our robust supply chains allow us to **partner with companies worldwide**.



The Most Comprehensive Portfolio

Our portfolio of advanced polymer materials means we can offer the best solution for your requirements.



The Highest Levels of Product Safety

Industry-specific knowledge, robust processes and vigorous testing are part of our daily focus on product safety.



A Global Network of Local Support

We've a multi-local footprint, giving customers support when and where they need it.

What We Offer

The technical department is at the heart of what we do.

Our scientists and application engineers lead the way in polymer research and development.

Our goal is to engineer intelligent, customized solutions that precisely match application requirements. Our technical and sales teams work hand-in-hand with the customer, giving in-the-field support and the expertise to create materials that transform ideas into superior products.

Our teams across the globe are constantly developing **new polymer combinations**, helping create materials that are safer, more durable and more versatile.

Our portfolio includes **HCR silicones, CPE, EPDM, NBR, CR rubber compounds, pigment and additive masterbatch, as well as HFFR, TPE and TPV technologies.**

This brings an extensive list of properties and customization possibilities and gives wire, cable and power grid component manufacturers the flexibility to select the best solution for their application.

Thermoset Materials

.....

Thermoplastic Elastomer (TPE) Materials

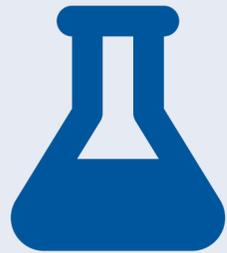
.....

Halogen-Free Flame Retardant (HFFR) Materials

.....

Additives

Customization Possibilities



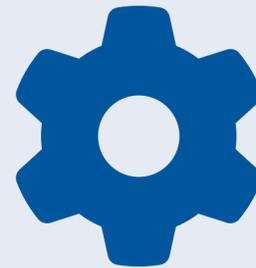
Base Polymers for Compounds

- Silicone
- PO, EVA
- EPDM
- SEBS
- SBR
- CR, CPE
- EVM, AEM
- NBR, NBR/PVC



Electrical Properties

- Insulating
- Conductive
- Field Grading
- Pollution Resistance



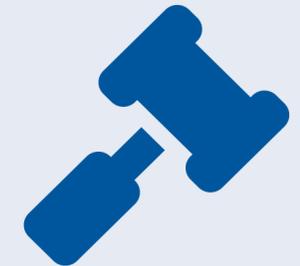
Additional Features

- HFFR
- Flame Resistance
- Low Smoke + Toxicity
- Heavy Duty Service
- Harsh Environment Resistance
- Temperature Service
- Laser Marking Materials



Material Formats

- Straining
- Strips
- Granules
- Bars



Product Safety

- REACH
- RoHS
- Designed to meet various international cable standards

Application Areas

Reliable **electrical performance** with **long endurance**. We support engineers to design and manufacture energy management products the modern connected world needs.

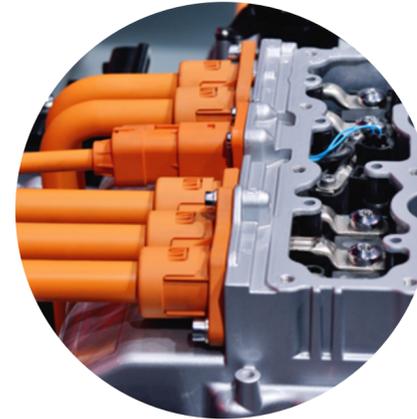
With improved **fire performance** and **low toxicity**, our materials provide added security in areas of **high human occupancy**, where people need to evacuate quickly and safely.

They can be used in locations containing **expensive or sensitive equipment**. Such as hospitals, airports, train and transport hubs, communication exchanges and power generation facilities.

By combining quality materials via a high-technology compounding process, we deliver customized materials that help cable manufacturers exceed standards for **reliability** and **durability**.

With enhanced thermomechanical properties, we have materials suitable for **telecommunication** and **electric** cables. **Bedding, insulation** and **sheathing** materials are all part of our portfolio. As well as **conductive, insulating** and **field grading** materials for connectors.

From high-to-low voltage, large marine cables to thin wires, eMobility to video, our materials **help keep the power on and us all connected**.



Automotive Cables



**Communication
+ Multimedia
Cables**



Energy Cables



**Renewable Energy
Cables**



Special Cables
(incl. high temperature,
shipping, instrumentation...)



**Connectors,
Terminators,
Components...**

Connect with Our Material Experts

To learn more about how we can make a material difference in your business, contact our **Energy** experts for more detailed information.

 energy@hexpol.com

 hexpol.com/energy



We provide written and illustrated advice in good faith. This should only be regarded as being advisory and does not absolve customers from doing their own full-scale tests to determine the suitability of the material for the intended applications. You assume all risk and liability arising from your use of the information and/or use or handling of any product. HEXPOL makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. We retain the right to make changes without prior notice. HEXPOL is a trademark of HEXPOL AB, registered or used in many jurisdictions worldwide.



energy@hexpol.com // hexpol.com