



Emoltene™ 100

For the longest lasting cables

Reduce your costs & boost cable lifetime performance

- ➔ Durability that extends the useful life of cables
- ➔ Increased cable extrusion volumes for lower costs
- ➔ Lower lifetime cable repair costs
- ➔ Superior weathering & flexibility
- ➔ Lighter PVC cables for automotive industry

Why your Emoltene™ 100 PVC cables will last longer

Emoltene™ 100 is a C10 plasticizer that delivers an extraordinary level of durability and flexibility to tough PVC applications. It can help cables and wires weather extreme and harsh environments, both above and below the water. It provides PVC underground cabling with a stable and fault free life and above ground its low volatility and high UV resistance guarantees the same faultless performance year-in-year-out. But how does it do this?



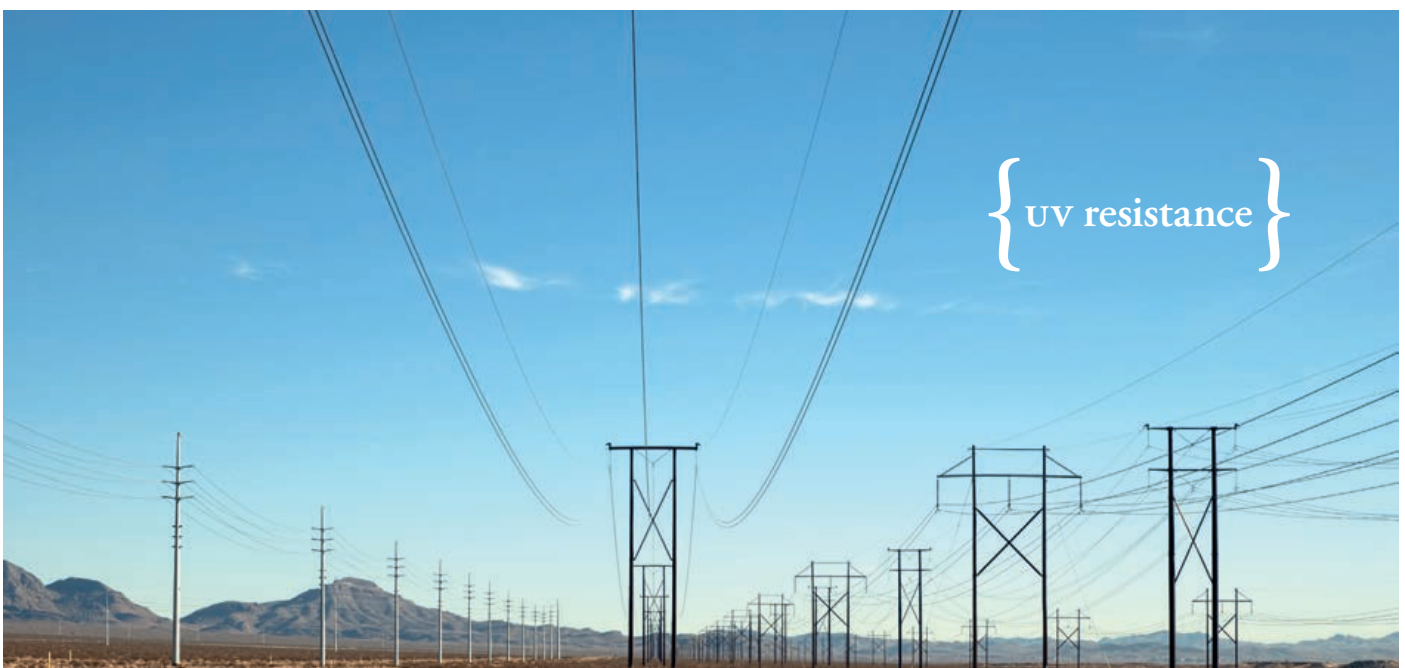
5-star durability you can rely upon

Across all key technical performance parameters, phthalate ester plasticizers based on isomeric C10 alcohols hold a clear and sustainable advantage over their C8-9 rivals*. Emoltene™ 100 delivers 5-star durability for cables and wires that you can always rely upon. Its especially low volatility is a major reason why PVC cables with Emoltene™ 100 are so durable and ideal for use in higher operating temperature applications.

Cables and wires with Emoltene™ 100 are also exceptionally weatherproof due to the very low water absorption and age resistant properties. This combination prevents early cable degradation and makes them extremely reliable whatever the environment. In addition Emoltene™ 100 helps cables maintain their flexibility over a wide range of service temperatures, and offers very low migration for a stable longer-life performance and better toxicological profile.

No wonder Emoltene™ 100 delivers the longest lasting cables.

* For further information download our technical paper Seven Reasons To Change To A C10 Plasticizer at www.perstorp.com/emoltene



Fully wired up and ready to go

Perstorp is the perfect partner for PVC formulators and cable producers. We have a broad and global experience of the key cable applications and work closely with customers to achieve the exact performance properties they demand. We work quickly, flexibly and efficiently, so you always maintain momentum in your development projects. Our specialist cable and wire knowledge areas include automotive, marine, utilities, construction and telecoms.



Automotive & Transport

Driving costs and weight down

In automotive wiring and cables weight, flexibility and reliability in the service temperature range are key. Cables cannot fail, so quality, high performance, and long life are standard demands. Emoltene™ 100 is the perfect plasticizer solution for automotive and transport cabling. Its low density produces lighter PVC cables, and other properties ensure a long maintenance free life. We can also help with material testing and optimization of properties.



Marine & Utilities

Reliable and energetic support

In marine water tightness has to be combined with maximum flexibility both laterally and longitudinally. Emoltene™ 100 due to its extremely low water absorption and outstanding flexibility is the perfect PVC plasticizer solution for seawater cabling. Similarly above water in infrastructure projects, energy and utilities Emoltene™ 100 durability and resistance to weathering make it the number one choice for long life, low maintenance cabling. We are on-hand to give you energetic support in customizing cable performance to your customer's needs.

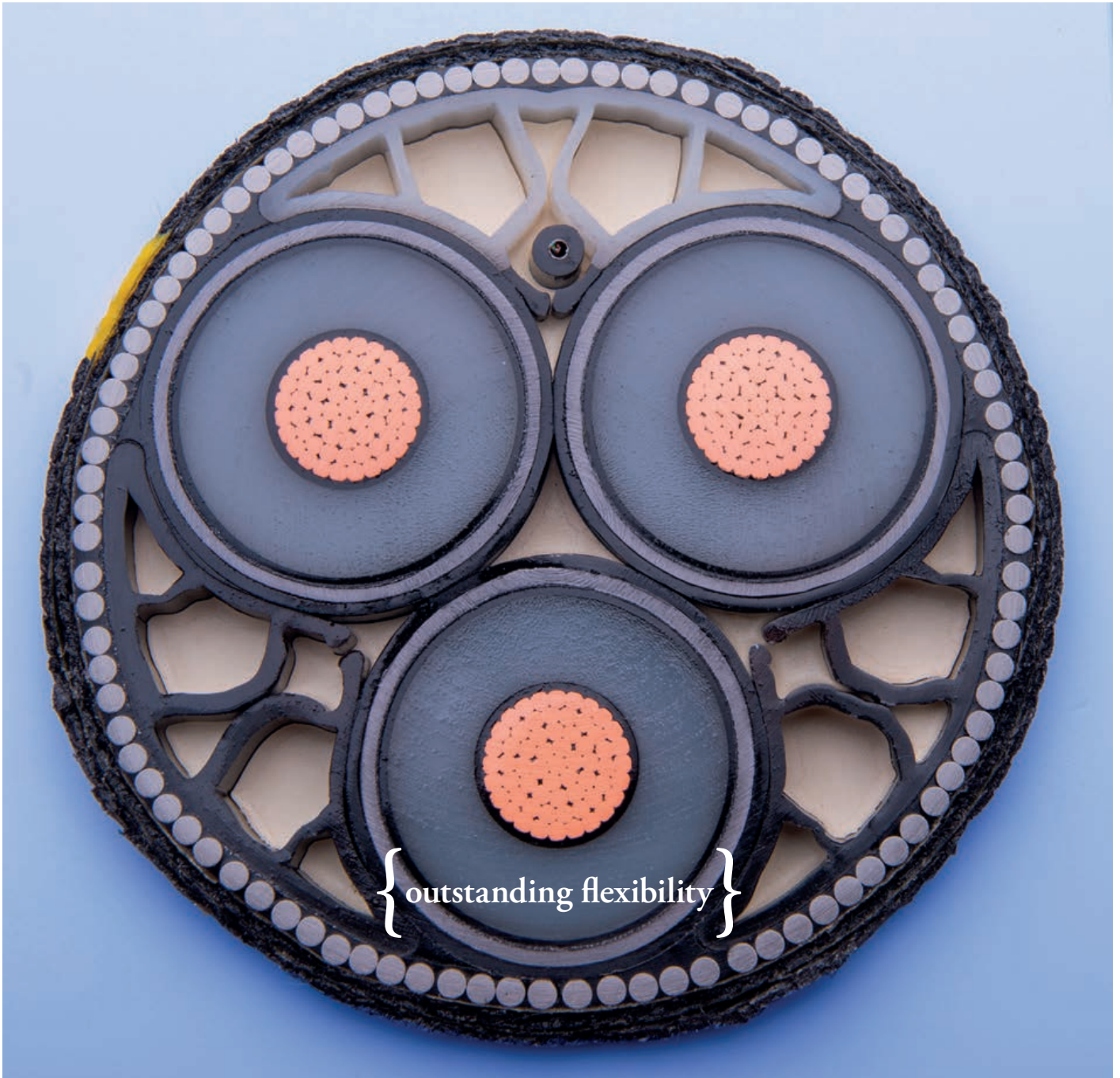


Mobile & Telecom

Hi-speed and secure solutions

We all know how irritating it can be when our communication and data devices let us down. Emoltene™ 100 guarantees long cable life with high-speed connections. Most of all its outstanding performance properties create a reliable solution for the increasingly greater demands of e-mobility, data centers, and many other telecom requirements.





Whatever your PVC cables and wires needs we have a winning formula waiting for you. Contact us today and find out how we can help you develop the longest lasting cables and reduce your production costs.

Find out more:
www.perstorp.com/emoltene



Emoltene™ 100

– A Winning Formula For Cables & Wires

Better for performance – Cables last significantly longer with high reliability, which cuts out repair costs and builds your brand reputation with customers.

Better for production – Emoltene™ 100 is a plasticizer that is easy to switch to in formulations and production. It also comes in a Topanol® stabilizer grade to provide thermal stability in production and is premixed to save time. It's low density also means you can produce lighter cables for automotive customers.

Better for your pocket – 33% of a PVC cable sheath (on average) is the plasticizer, so it represents a significant raw material cost. Emoltene™ 100 typically increases extrusion rates by 3% because of its lower density.



5-star durability

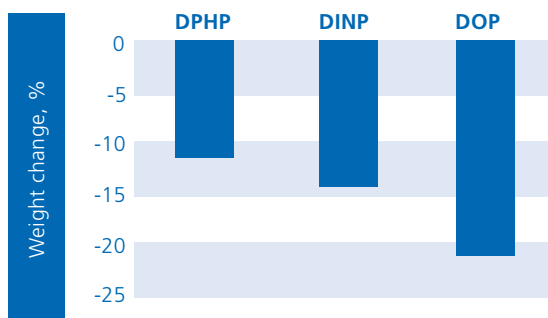
- Low volatility
- Low water absorption
- Resistant to ageing and UV
- Maintains temperature flexibility
- Low migration

UV resistance

	DIDP (64 PHR)	DPHP (64 PHR)
6 months	0.32	0.23
12 months	0.81	0.46
18 months	1.51	0.74
24 months	1.35	0.73
36 months	2.90	1.07
48 months	11.90	2.70

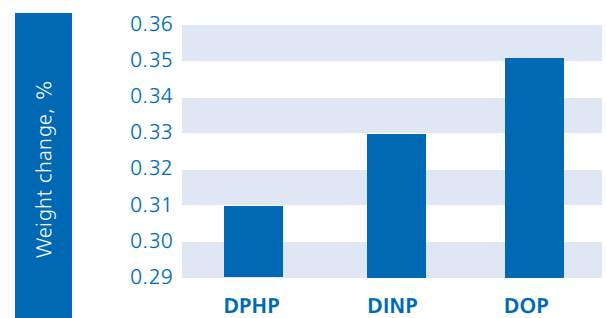
Natural weathering Central Europe, % weight loss (PVC Formula 2)¹

Volatility

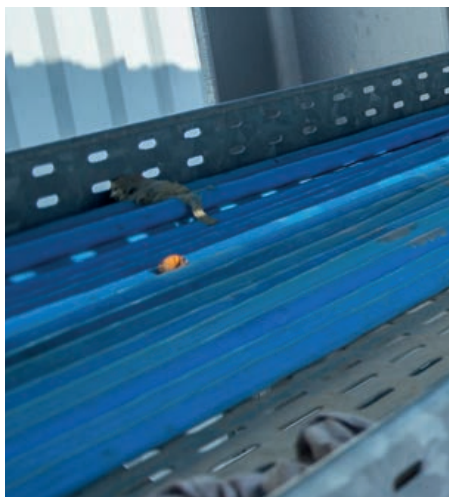


Percentage weight loss due to high temperature stress testing over a seven day period

Water absorption



Percentage weight change as a result of water absorption



A global leader in high growth niches

The Perstorp Group, a trusted world industrial leader, places focused and market-driven innovation at your fingertips. Our culture of performance builds on 135 years of experience and represents a complete chain of solutions in organic chemistry, process technology and application development.

As a global leader in high growth niches, such as powder and UV cured coatings, plasticizers, synthetic lubricants and grain preservation, we are committed to develop products providing essential properties to enhance the quality, performance and profitability of your products and processes. This is how we enable you to meet market demands for safer, lighter, more durable, economical effective and sustainable end-products for the automotive, construction, agriculture, packaging, transportation and consumer goods.

Our unique integrated production platforms are backed by reliable business practices and a global commitment to responsiveness and flexibility. Consistent high quality, capacity and delivery security are ensured through strategic production plants in Asia, Europe and North America, as well as sales offices in all major markets. Likewise, we combine product and application assistance with the very best in technical support.

As we look to the future, we strive for the development of smarter and safer products and sustainable processes that reduce environmental impact and create real value in end-products. This principle of proactive innovation and responsibility applies not only to our own business, but also to our work with yours. In fulfilling it, we partner with you to create a winning formula that benefits your business – as well as the people it serves.

Discover your winning formula at www.perstorp.com