



# Pevalen™

Genuine non-phthalate  
high efficiency plasticizer

## Uncompromising performance for close-to-consumer applications

- High plasticizing efficiency, unbeatable softness and low volatility
- Sustainable with low carbon footprint, no VOC and longer life
- Faster processing
- Versatile general purpose plasticizer for many suitable applications

{ uncompromising performance }



### Pevalen™ & PVC a winning combination

Pevalen™ is an innovative, versatile and genuine non-phthalate polyolester plasticizer. Its innovative profile and properties mean you never have to compromise between high performance and the environment. It is a sustainable solution for PVC: it has a reduced carbon footprint, it is partly produced from renewable resources, it needs no VOCs, and it provides extra durability to extend the useful life of the PVC product. It is also a reliable solution: the chemistry behind Pevalen™ has been used for decades in other demanding applications. Pevalen™ is already registered according to REACH.

Pevalen™ offers an unbeatable combination of low volatility and high plasticizing efficiency, which means you use less plasticizer to produce softer, more stable and more durable PVC, helping to increase product value. A strong safety, sustainability and performance profile makes Pevalen™ and PVC a winning combination.

### Ideal for close-to-consumer applications

Pevalen™ is ideal for applications where retail and consumer choices are made based on perceived health and safety risks.

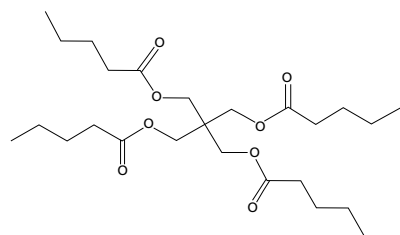
PVC flooring is exceptionally hard-wearing, resistant to chemicals, and requires almost no maintenance. Pevalen™ is perfect for PVC flooring in public buildings, hospitals and domestic environments.

Other key applications include coated fabrics and textiles for such products as artificial leather, protective clothing, pool liners and cloths where softness and flexibility properties are appreciated. Pevalen™ can also be used in plastisols, molded parts, films and foils, and is a preferred choice amongst PVC compounders.

### Perstorp – an innovative & reliable plasticizer partner

Perstorp's recent investments in a fully integrated plasticizer platform with increased capacity have confirmed our position as a dynamic and innovative leader in highly competitive general-purpose plasticizers. Our customers now have fast access to high performance, sustainable and cost-effective plasticizers. Perstorp is committed to supporting the development of a sustainable PVC industry.

Pevalen™



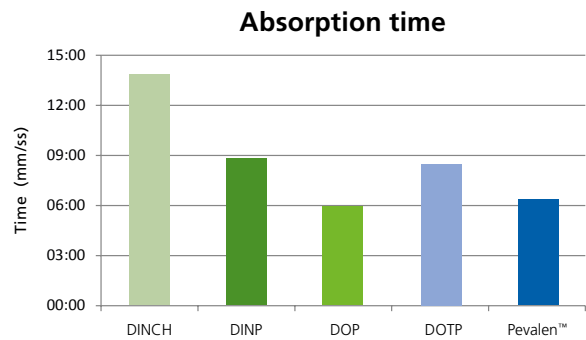
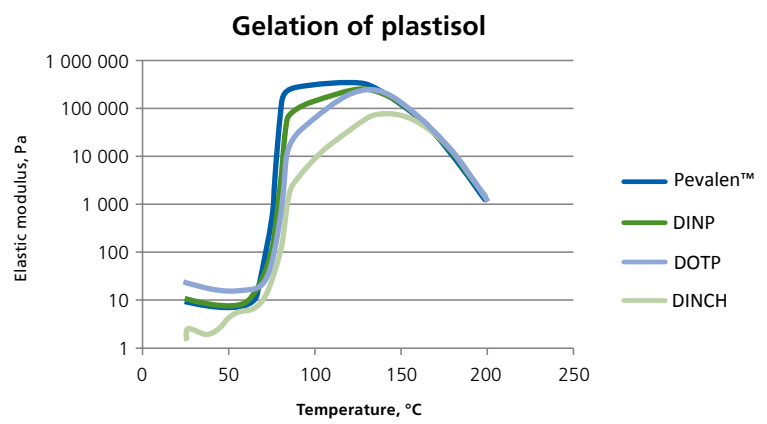
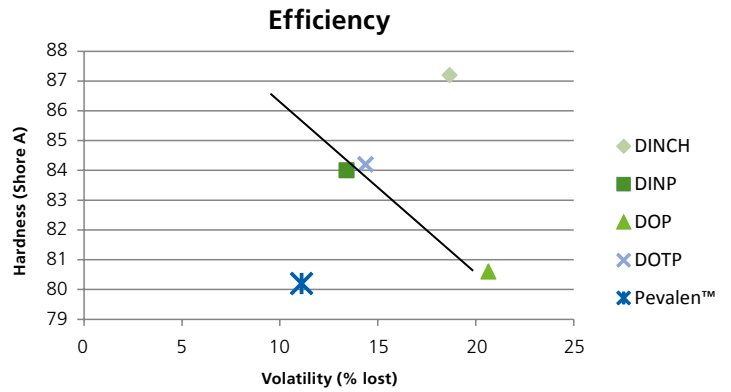


## Unique product & processing performance

Pevalen™ provides a zero-compromise alternative to phthalate plasticizers, with a performance profile unmatched by any other product.

- High plasticizing efficiency, which means your formulation requires less plasticizer
- Low volatility and low migration
- Excellent UV stability
- Excellent gelation behavior in plastisols

Pevalen™ has lower viscosity, and blends more easily and quickly with PVC than most other plasticizers. This reduces processing time, helping you increase capacity of your existing production line and maintain a robust manufacturing process.



#### Test methods

- 1) Hardness, ASTM D 2240 – Rubber property – Durometer hardness – 1 day
- 2) Volatility, ISO 176 – Determination of loss of plasticizer – activated carbon method – 7 days, 100 °C – Plasticizer concentration 50 phr
- 3) Gelation was studied with parallel plate rheometer in the temperature range 25-200 °C, 5 °C/min
- 4) Absorption time, Equivalent to ASTM D 2396 – Test methods for powder-mix time of PVC resin

#### Formulation

Plasticizer 50 phr, PVC 100 Phr, Stabilizer 2 phr



## Your Winning Formula

The Perstorp Group, a trusted world leader in specialty chemicals, places focused innovation at your fingertips. Our culture of performance builds on 130 years of experience and represents a complete chain of solutions in organic chemistry, process technology and application development.

Matched to your business needs, our versatile intermediates 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 and environmentally sound end-products – for the aerospace, marine, coatings, chemicals, plastics, engineering, and construction industries, as well as automotive, agricultural, food, packaging, textile, paper and electronics applications.

Our chemistry is 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 new chemical applications. 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](http://www.perstorp.com)