

# D30<sup>®</sup> IMPACT ADDITIVES

## A superior blend for enhanced protection

Introducing the D30<sup>®</sup> Impact Additive - a pioneering ingredient designed to revolutionise back-of-hand TPR impact performance.

TPR is widely adopted by glove manufacturers for construction, automotive and oil and gas industries. Traditionally, increased protection is achieved with thicker or stiffer parts, which have a negative effect on comfort and dexterity.

The new D30<sup>®</sup> Impact Additive combines advanced polymer chemistry that can be blended into existing TPR processing and manufacturing techniques to deliver unmatched impact protection properties to traditional TPR, without compromising on dexterity or comfort.



### Safer

TPR containing the D30<sup>®</sup> Impact Additive has a 34% reduction in peak transmitted force, compared to a TPR sample of the same type, thickness and geometry.



### Thinner

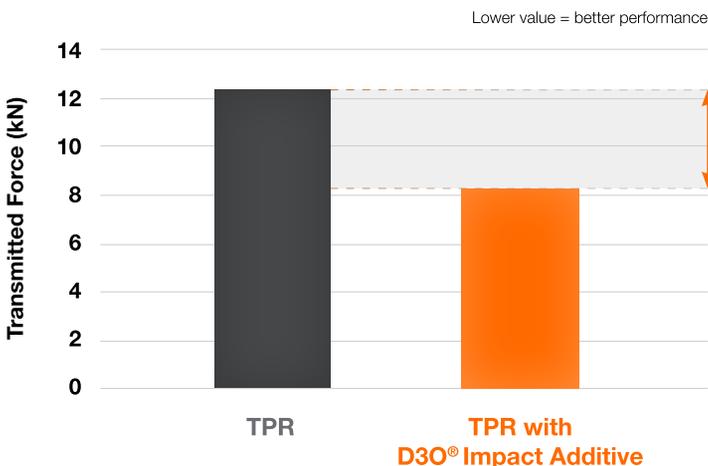
TPR plastisol enhanced with the D30<sup>®</sup> Impact Additive can match the impact protection of standard TPR, while being 34% thinner.



### Stable

Improved temperature stability in extreme hot and cold conditions offering greater dexterity and comfort without compromising on performance.

## 5J Testing of 5mm thick samples



**D30<sup>®</sup> Impact Additive gives up to 34% more protection when compared to TPR of the same type, thickness and geometry**

Testing conducted at D30 Lab.

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All test perform on 10mm Samples  
\*Slight modifications to test methods may have been made  
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TRUSTED IMPACT PROTECTION™

# D30<sup>®</sup> IMPACT ADDITIVES



## Key features and benefits



### Raising performance without lowering budget or workers' ability to perform tasks

The D30<sup>®</sup> Impact Additive delivers 34% more impact protection compared to standard TPR without compromising on user dexterity and comfort, or significantly increasing costs.



### Impact performance that sets the standards

The D30<sup>®</sup> Impact Additive offering a 34% reduction in peak transmitted force compared to standard TPR, which will help gloves meet conditions of the proposed back of hand standard.



### Improved speed to market

The D30<sup>®</sup> Impact Additive is compatible with traditional TPR manufacturing and supply chain models; it can be easily blended with your existing plastisol during production.



### Production in the palm of your hand

Customers can gain greater control over manufacturing through a brand-new licensing material supply business model. Intricate moulding designs can also be achieved to improve glove aesthetics.



### D30<sup>®</sup> technology making an impact on the mass market

The D30<sup>®</sup> Impact Additive offers assembly, factory, maintenance, service and automotive workers the opportunity to access D30's leading impact protection. Our technologies are trusted and proven to protect in some of the world's harshest environments, including defence and law enforcement, motorcycle and sports.



### Minimising the cost of workplace injuries

Enhanced TPR performance not only helps protect workers, but also to reduce potential wage and productivity losses, medical costs, administrative expenses and employers' uninsured costs associated with occupational injuries.

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