

Wet Grip Compounds



a new
dimension
of grip



"Wet Grip" can possibly become very important

A firm grip on things – even when they're wet

Wherever it's wet, it's slippery – a glass can slide off a damp tray or maybe a tool slips through your fingers due to a wet handle. Soft, smooth elastomeric surfaces which have a pleasant feel and are easy to grip when dry often tend to become the opposite when wet.

With our new "Wet Grip" compounds we have developed the ideal solution for these types of applications. These „Wet Grip“ Thermoplastic elastomers (TPE) provide optimum grip even in the presence of moisture which means that this development can make a wide range of products safer and easier to handle.

Wet Grip – a unique technology

TPE are typically slippery when wet, however, thanks to a new technology and highly evolved manufacturing process, our developers have managed to create this unique property for "Wet Grip" compounds. The pleasant feel and firm grip don't change even when wet and no feeling as would be experienced with other technologies. With "Wet Grip" compounds from KRAIBURG TPE you have a firm grip on things from the beginning, even when they're wet – whether in rain, in the shower, in the pool or at work.

Higher coefficient of friction – improved grip

Thanks to this new technology, “Wet Grip” compounds have three times the coefficient of friction of conventional TPE, and remarkably, the “Wet Grip” effect will not dissipate over time – and is therefore a permanent feature of the compound.

Possible uses for “Wet Grip” in practice:



Versatile in use – new selling points

In all objects intended for hand-held use, product design is not the only major factor, but also the object's tactile qualities. Our TPE solution "Wet Grip" helps you to achieve unique product performance which can set your product apart from the competition – and enable you to offer your customers a genuine practical advantage. The possible uses for "Wet Grip" are diverse and wide-ranging and could potentially include the following application areas:

- anti-slip mats, suitable for the swimming pool or bathtub
- handles in the construction industry, such as for tools
- fitness equipment, sporting and outdoor products, for example hand grips for ski poles or walking sticks, fishing gear handles, grips on exercise machines etc.
- the catering trade, e.g. serving trays
- orthopaedic aids such as crutches
- all gripping applications, especially where surface moisture is present, e.g. kitchen utensils
- children's toys
- watercraft or marine applications
- household goods
- and much more...

Improved surface – optimized safety

Safety first: with our TPE incorporating “Wet Grip” you can offer your customers even safer handling in various products. Whether it’s industrial machines such as percussion drills, orthopaedic aids such as walking supports, or anti-slip mats for shower or bathtub: even in wet conditions our new solution ensures a firm footing and a secure grip. In addition, other easy-grip contact surface features such as grooves or ribs can be optimized with “Wet Grip” compounds, because the material can of course be worked utilizing either the economical multicomponent injection molding.



If you want it, we'll provide it

Our principle mission is to offer our customers tailored TPE solutions which are ideally suited to meet their relevant requirements. Alongside the new feature, you will continue to profit from all the advantages thermoplastic elastomers offer for your products, such as:

- a pleasantly smooth, soft-touch surface
- optimum sealing properties
- ideal tensile strength and ultimate elongation
- various hardnesses
- bonding on different rigid components
- easy coloring

“Wet Grip” at a glance

- Non-slip, even when wet
- Wide hardness range from super-soft to super-hard
- Excellent mechanical properties
- 2-K-injection-molding with a wide variety of thermoplastic materials, such as PC, PP, PS, etc.
- Maximum possible transparency, including for bonding compounds
- Professional color matching possible, in-house
- UV, ozone- and weather-proofing
- Freedom from latex, PVC and heavy metals
- Recyclable
- Addition of fragrance

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