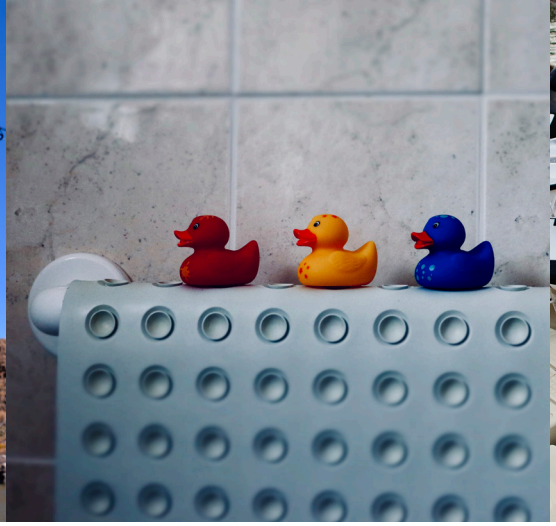




PRODUCT BULLETIN

Versaflex™ XP Wet Grip Thermoplastic Elastomer

Typically, when TPEs get wet, the kinetic coefficient of friction (COF) performance is worse, resulting in a slippery surface. The Versaflex™ XP 2850 formulation is a specialty TPE developed to meet the challenge of wet environments, offering nearly double its dry kinetic COF when wet for better grip performance.

Tested against commonly used wet grip materials, the Versaflex XP 2850 material demonstrated exceptional wet kinetic COF performance—showing more than a 100% improvement over the competition—and better dry COF performance as well. In addition to enhanced tackiness, this specialty material offers excellent abrasion and UV resistance, plus a skin-safe, non-abrasive finish.

KEY CHARACTERISTICS

- Excellent COF performance (both wet and dry)
- Outstanding abrasion and UV resistance
- Easily colorable
- Custom formulations available to achieve specific performance properties
- Injection moldable (can be overmolded) and extrudable
- Retains properties and performance when immersed in salt water

MARKETS & APPLICATIONS

This grip-enhancing TPE is colorable and customizable to meet the look and functional requirements of a broad range of consumer applications. The material may be injection molded, overmolded or extruded, offering expanded design freedom for adding a touch of security and reducing slippage where water can otherwise make products slippery.

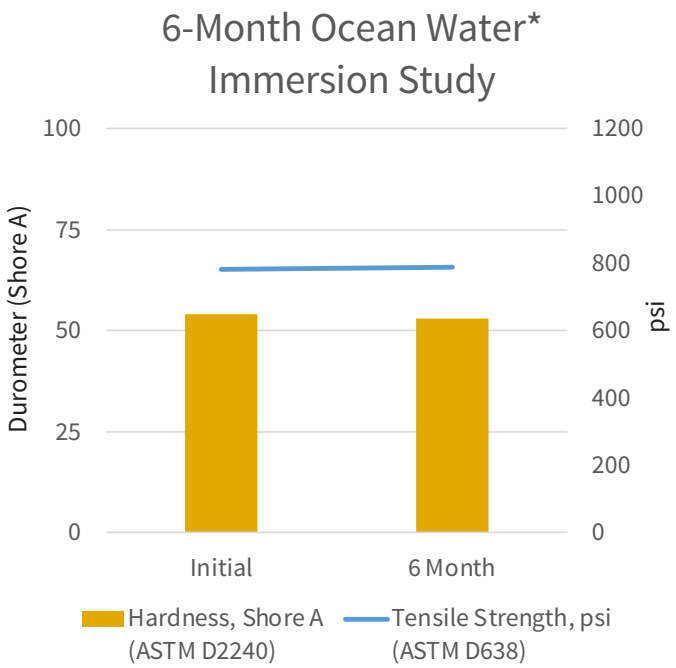
- Consumer home goods, such as bath mats
- Outdoor recreation equipment
- Fishing gear
- Water sports equipment

AVIENT™

TECHNICAL PROPERTIES OF VERSAFLEX XP WET GRIP MATERIAL

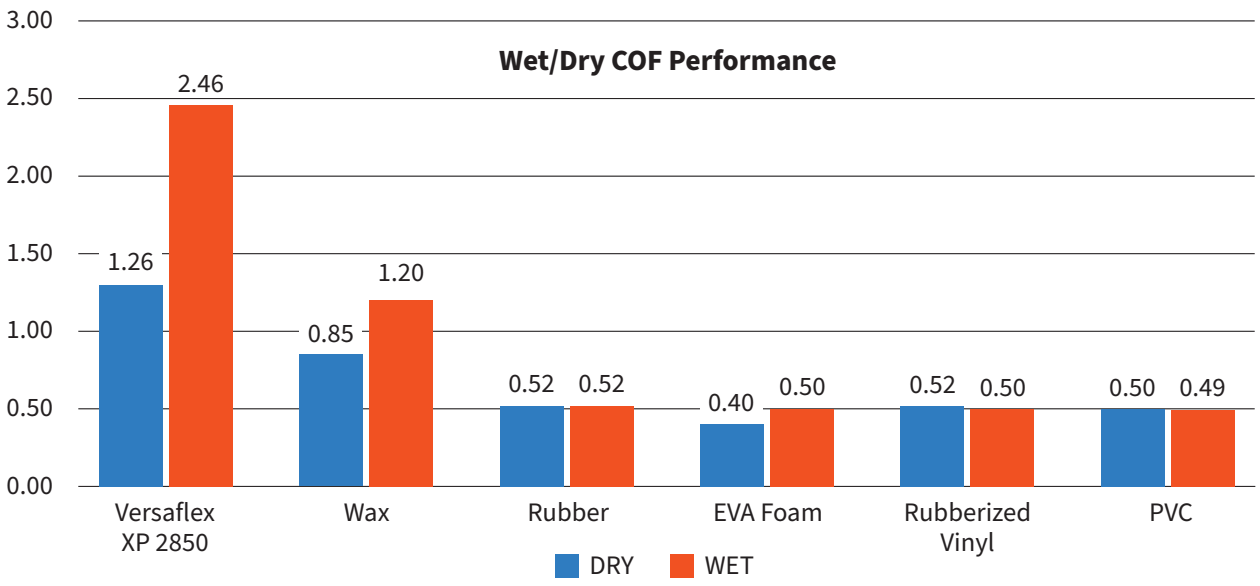
	Versaflex XP 2850
Hardness, Shore A	53
Specific Gravity	0.89
Color	Natural
Tensile Strength (psi)	616.4
Elongation at Break (%)	541.4
Viscosity @ 11170/sec (Pa s)	10.9
Dry Kinetic COF	1.256
Wet Kinetic COF	2.463
Increase in COF* (%)	96.1
Abrasion Loss** (mg/cycle)	0.014
Bondability***	PP, PE

* Pull time = 5 sec; Sled Weight = 203 grams; Rate = 30cm/min
** Weight = 1000 grams; Cycles = 500; Wheel = H-18
*** For bonding to other substrates, please contact Avient



*Prepared to standard ASTM D1141-98R21

COMPARING VERSAFLEX XP 2850 WITH COMMONLY USED WET GRIP MATERIALS



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