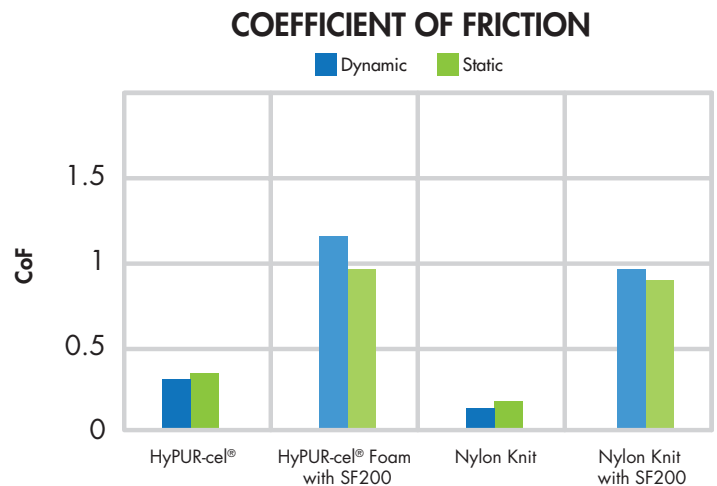


SF200 is a microcellular open-cell frothed coating that is cured at lower processing temperatures. Therefore, the coating can be directly cast on a broad range of flexible substrates (woven, knits, foam, nonwoven, film, foil, etc.) at thicknesses up to 0.075" in continuous roll-to-roll form at a variety of full-coverage widths. SF200 provides unique and functional benefits including enhanced coefficient of friction, wash durability, thermoformability, and no off-gassing.

The open-cell construction of this water-based formulation allows breathability of the substrates, which minimizes undesired heat retention. This allows for enhanced 3D and tactile effects as well as thinner layers of material that may not be achievable through traditional splitting or skiving methods. SF200 satisfies the AATCC 61 requirements for 2A wash testing and can be easily maintained to ensure cleanliness.

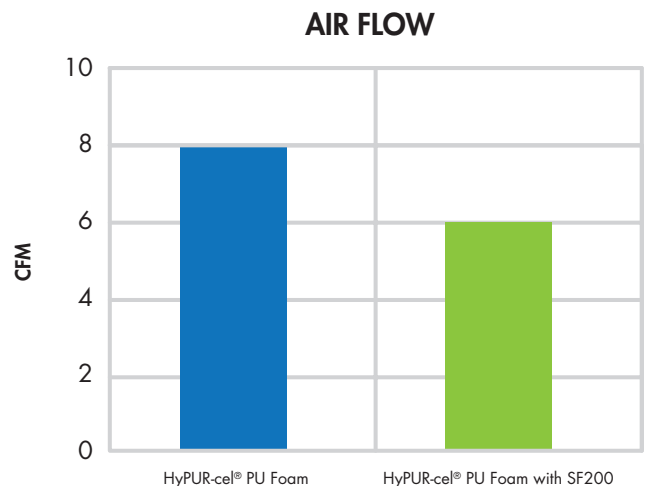
## ENHANCED COEFFICIENT OF FRICTION (CoF)

SF200 enhances the surface CoF on the entire substrate surface or in specific, targeted areas with minimal impact to the other desirable properties.



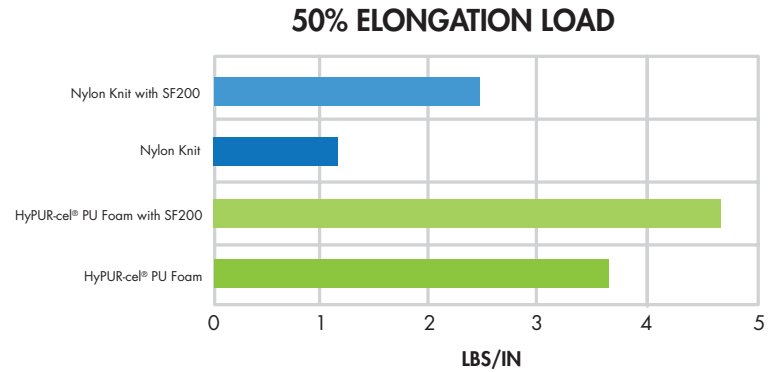
## MAINTAINED BREATHABILITY

The microcellular open structure of SF200 does not occlude air flow, so the breathability of the base substrate remains. This unique feature reduces heat build-up and ensures comfort.



## RETAINED STRETCH PROPERTIES

SF200 is a flexible polyurethane formulation that does not significantly impact the stretch properties of the base substrate.



The physical properties of SF200 make it an ideal product for use in medical, apparel, cosmetics, footwear, equestrian, or padding. When functional cushioning is desired the aesthetic and physical characteristics of the base materials are not compromised.

## SUR-FEX® SF200 TYPICAL PROPERTIES

Polymer	Polyurethane	
Physical Property	Test Method	Results
2A Wash Test	AATCC-61	Pass
Water Absorbency	AATCC-79	> 30 minutes
Static Coefficient of Friction	ASTM D1894	.886
Kinetic Coefficient of Friction	ASTM D1894	.960

### Example Properties on Various Substrates

Substrate	Total Thickness Tested (in)	Air Flow (cfm) ASTM D737	MVT (g/M <sup>2</sup> /D) ASTM E96 Procedure B
Spunbond PE	.060	20.4	570.4
Nylon/Spandex UBL	.107	21.7	554.6
Nylon/Spandex Knit	.088	21	581.1
100% Nylon Knit	.082	24	603.1
HyPUR-cel® S0702	.182	5.5	451.9
HyPUR-cel® S1005	.183	3.3	453.3
HyPUR-cel® T1015	.177	7.5	502.1
HyPUR-cel® I1815	.187	6.1	453.5

#### Product availability

- Full coverage up to 66" width
- 3D and tactile effects
- Thickness up to 0.075"
- Broad range of flexible substrates (foam, nonwoven, film, foil, etc.)
- Direct cast, continuous roll-to-roll

#### Characteristics

- Unique soft feel
- Extremely flexible
- Washable
- Thermoformable
- Breathable
- Enhances substrate COF
- Does not significantly alter stretch of substrate
- Cushioning