



Removable TrueWrite Film Data Sheet

Tactus Removable TrueWrite Film (R-TWF) provides a superior paper-on-glass "feel" for mobile and tablet displays. TrueWrite Film is crafted to simulate the smooth, yet controlled, feel of writing with a pen on paper. Removable TrueWrite Film includes a self-wetting adhesive for easy installation onto consumer electronic devices at point of manufacture, at point of sale, or by a consumer.

Parameter	Measurement ¹	Units	Measurement Process	Remarks
Optical				
Transmission	91.4	%	ASTM D1003	Film laminated to 0.7mm soda-lime glass ²
Haze	1.6	%	ASTM D1003	
L*	96.3	%	ASTM D6290	
a*	-0.20	-n/a-	ASTM D6290	
b*	+0.60	-n/a-	ASTM D6290	
Gloss	150	GU	ASTM D2457 (20°)	
Material				
Thickness	150	microns		
Coefficient of Friction – Dynamic	0.1	-n/a-	1.9mm diameter POM tip	Reference data for common tip materials available upon request
Contact Angle – Water	100	degrees	Goniometer	
Contact Angle – Artificial Fingerprint Oil	40	degrees	Goniometer	
Durability				
Abrasion Resistance	0.6	Δ% (Haze)	ASTM D1044 CS-10F; 500g; 100 cycles	
Scratch Resistance	1.0	N	Erichsen Pen Scratch Test, 0.75mm diameter carbide steel	
Stylus Sliding Resistance (B ₁₀)	>10,000	Cycles	260g, 1.9mm diameter tip, 100mm/s, POM tip material; No visible damage	3 year lifetime of heavy stylus use (university student)
Steel Ball Drop (B ₁₀)	65	cm	IEC 61747-40-3 "Mechanical Testing of Display Cover Glass for Mobile Devices" on 0.55mm Gen 3 Corning Gorilla Glass	Benchmarking 0.55mm Gen 3 Corning Gorilla Glass, yielded 32 cm B ₁₀ (2.0x Improvement)

Tactus PN:	003102	Sheet Film	Per customer agreement, sheets are cut to desired specifications including corner radius and feature cutouts (Camera/Microphone/Sensor/Buttons/Speakers)
Tactus PN:	003101	Roll Film	Standard Roll Size – 520mm x 900m

¹ Values given are typical values, and are not to be construed as specifications

² Application note available

