



TrueWrite Film Data Sheet

Tactus TrueWrite film 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

Parameter	Measurement	Units	Measurement Process	Remarks
Optical				
Transmission	92.4	%	ASTM D1003	Sample laminated to 0.7mm Asahi soda-lime glass ¹
Haze	1.4	%	ASTM D1003	
L*	96.7	%	ASTM D6290	
a*	-0.18	-n/a-	ASTM D6290	
b*	+0.4	-n/a-	ASTM D6290	
Gloss	140	GU	ASTM D2457 (20°)	
Material				
Thickness	75	microns		
Coefficient of Friction – Dynamic	0.09	-n/a-	1.9mm diameter POM tip	
Contact Angle – Water	100	degrees	Goniometer	
Contact Angle – Artificial Fingerprint Oil	46	degrees	Goniometer	
Durability				
Abrasion Resistance	0.6	Δ% (Haze)	ASTM D1044 CS-10F; 500g; 100 cycles	
Scratch Resistance	1.25	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 equivalent
Steel Ball Drop (B ₁₀)	59	cm	IEC 61747-40-3 Mechanical Testing of Display Cover Glass for Mobile Devices – Biaxial Flexural Energy to Failure (Ball Drop) on 0.55mm Gen 3 Corning Gorilla Glass	Benchmarking 0.55mm Gen 3 Corning Gorilla Glass, yielded 32 cm B ₁₀ (1.8x Improvement)

Tactus PN:	003076	Sheet Film	Per customer agreement, sheets are cut to desired specifications including corner radius and feature cutouts (Camera/Microphone/Sensor/Buttons/Speakers)
Tactus PN:	002988	Roll Film	Standard Roll Size – 415mm x 900m

¹ Application note available