

SCREENBALLISTICS™

Impact Protection

Mitigate fear. Protect your devices.
D3O's dilatant materials are designed to absorb and dissipate energy in response to blunt force impact.

D3O® ScreenBallistics™ is a screen-facing adhesive layer that delivers unparalleled screen protection for electronic devices. Engineered for easy integration into film, glass, and hybrid screen protection products, it offers up to 2.8 times more shatter resistance while remaining ultra clear.

Material Features

- Up to 2.8 times more shatter resistance for superior protection
- Low haze and high light transmission for optimal visual acuity
- Self-healing formula leaves no marks after impact and returns to its pristine, out of the box state
- Compatible with film, hybrid or glass products
- Temperature and humidity stability (non-yellowing)
- Samsung & Google fingerprint identification compatible
- Easy to implement and integrate in existing manufacturing processes
- Also suitable for use outside consumer electronics e.g. automotive applications



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Impact Protection Product Details

Product Code	Description	OCA Layer Thickness	D30 Impact Layer Thickness	Silicone Layer Thickness	Useable Thickness (µm)*	Light Transmittance (%)		Haze (%)	Silicone Adhesive Force (gf/25mm) GB/T 2790-1995	Silkscreen Printing Compatible?
						ASTM D1003	ASTM D1003			
15561	ScreenBallistics 95µm 1 Linear Meter** SIL-D30-OCA	25	40	30	95	>91	<1.5	3	No	
15540	ScreenBallistics 150µm 1 Linear Meter** SIL-D30-OCA	30	70	50	150	>91	<1.5	3	No	
15534	ScreenBallistics 180µm 1 Linear Meter** SIL-D30-OCA	35	70	75	180	>91	<1.5	3	No	
15532	ScreenBallistics 270µm 1 Linear Meter** SIL-D30-OCA	45	100	125	270	>91	<1.5	3	No	
15563	ScreenBallistics 270µm 1 Linear Meter** SIL-D30-OCA - Silkscreen Version	45	100	125	270	>91	<1.5	3	Yes	
15541	ScreenBallistics 305µm 1 Linear Meter** SIL-D30-OCA	35	70	200	305	>91	<2	3	No	
15533	ScreenBallistics 385µm 1 Linear Meter** SIL-D30-OCA	50	155	180	385	>91	<3	4	No	
15565	ScreenBallistics 385µm 1 Linear Meter** SIL-D30-OCA - Silkscreen Version	50	155	180	385	>91	<3	4	Yes	

*Usable thickness refers to the total thickness of the ScreenBallistics™ film in the final product after the protective layers are removed.
** 1000mm wide

