



# Technical Data Sheet HSG Material

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<b>Product Name:</b>		<b>HSG</b>		<b>Finished Material Type:</b>		85% glare reduction, scratch resistant, shock absorbing, matte finish			Date 9-15-2022	
<b>Film Roll Size: 1000mm (nominally)</b>										
		<b>Tested Items</b>		<b>Thickness (µm)</b>	<b>Thickness (in)</b>	<b>Test Method</b>	<b>Notes</b>			
<b>Material</b>	Top Liner		50 ± 5	0.0019	Micrometer					
	AG Coating		2 ± 1	0.00007	Micrometer					
	Hardened Film		30 ± 10	0.0011	Micrometer					
	PET Film		188 ± 10	0.0074	Micrometer					
	Silicone Backing		50 ± 5	0.0019	Micrometer					
	Release Liner		75 ± 5	0.0029	Micrometer					
	Total Thickness		395 ± 36	0.0155	Micrometer					
		Thickness without liners	270 ± 26	0.0106	Micrometer					
		<b>Tested Items</b>		<b>Unit</b>	<b>Spec</b>	<b>Result</b>	<b>Test Method</b>			
<b>Optical Properties</b>	Total Light Transmittance		%	-	90 ± 5	JIS K7105				
	Haze		%	-	≤ 1	JIS K7105				
<b>Mechanical Properties</b>	Pencil Hardness		H	-	9	-				
	Peeling Strength		gf/inch	-	5 ± 2	JIS Z 0237				
<b>Chemical Resistance</b>	<b>Resistant to:</b>									
	Alcohols		Esters			No Problem	DIN 42 115			
	Dilute acids		Hydrocarbons							
	Dilute alkalis		Ketones							