



Technical Data Sheet HSG Material

Photodon LLC						Michigan	USA	Ph: 847-377-1185	Email: sales@photodon.com	
Product Name:	HSG		Finished Material Type:	85% glare reduction, scratch resistant, shock absorbing, matte finish		Date 8-23-24				
Film Roll Size: 1000mm (nominally)						Country of Origin: China - Customized and Processed in the USA				
Tested Items			Thickness (µm)	Thickness (in)	Test Method	Notes				
Material	Top Liner		50 ± 5	0.0019	Micrometer					
	AG Coating		2 ± 1	0.00007	Micrometer					
	Hardened Film		30 ± 10	0.0011	Micrometer					
	Anti-Shock layered 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						
Tested Items			Unit	Spec	Result	Test Method				
Optical Properties	Total Light Transmittance		%	-	90 ± 5	JIS K7105				
	Haze		%	-	≤ 1	JIS K7105				
Mechanical Properties	Pencil Hardness		H	-	9	-				
	Peeling Strength		gf/inch	-	5 ± 2	JIS Z 0237				
Chemical Resistance	Resistant to:									
	Alcohols		Esters		No Problem	DIN 42 115				
	Dilute acids		Hydrocarbons							
	Dilute alkalis		Ketones							