

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 9-15-2022
Film Roll Size: 1000mm (nominally)					
Material					
	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	
Optical Properties					
	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			