

MEASUREMENTS OF UVC TRANSMISSION OF UVC FILM

Measuring device Opsytec Dr. Göbel Radiometer RMD
 Sensor Opsytec Dr. Göbel UVBB
 Light source Heraeus 2* 75W FLX



Method

Values measured with sample placed on UVC sensor
 Clean value measured after wiping with paper and benzene, wearing cotton gloves
 Extra dirty; patted by 3 RD engineers with dirty hands
 Light source; low-pressure monochromatic UVC lamp measured at 254nm with calibrated reference sensor

MATERIAL: UVC FILM

A.	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.
Type	Colour/ type	Batch	Film thickness (mu)	No film (mW/cm2)	Clean (mW/cm2)	Not cleaned (mW/cm2)	clean:no film (%)	not cleaned:blanco (%)	not cleaned:clean (%)	Remarks
1801057 rol1654	transparent	1654	300	1,961	0,905	0,895	46%	46%	98,9%	
1801057 rol1654 #2	transparent	1654	300	1,961	0,893	0,869	46%	44%	97,3%	Repeat measurement: same sample batch
1801057 rol1667	transparent	1667	300	1,963	0,890	0,863	45%	44%	97,0%	
1801057 rol1667 #2	transparent	1667	300	1,967	0,894	0,853	45%	43%	95,4%	Repeat measurement: same sample batch
1801057 rol4618	transparent	4618	300	1,970	0,947	0,938	48%	48%	99,0%	
1801057 rol4618 #2	transparent	4618	300	1,970	0,941	0,944	48%	48%	100,3%	Repeat measurement: same sample batch
1801567 rol4347	printed (ink)	4347	300	1,970	0,596	0,577	30%	29%	96,8%	
1801567 rol4347 #2	printed (ink)	4347	300	1,970	0,588	0,575	30%	29%	97,8%	Repeat measurement: same sample batch
1801196 rol4348	transparent	4348	100	1,972	1,423	1,416	72%	72%	99,5%	
1801196 rol4348 #2	transparent	4348	100	1,973	1,439	1,427	73%	72%	99,2%	Repeat measurement: same sample batch
1801182 rol1952	IR blocker	1952	300	1,973	0,240	0,238	12%	12%	99,2%	
1801182 rol1952 #2	IR blocker	1952	300	1,973	0,236	0,230	12%	12%	97,5%	Repeat measurement: same sample batch
1801181 rol4501	white	4501	300	1,972	0,227	0,220	12%	11%	96,9%	
1801181 rol4501 #2	white	4501	300	1,974	0,225	0,220	11%	11%	97,8%	Repeat measurement: same sample batch
1801515 rol3785	matt	3785	250	1,975	1,070	1,056	54%	53%	98,7%	
1801515 rol3785 #2	matt	3785	250	1,975	1,046	1,036	53%	52%	99,0%	Repeat measurement: same sample batch
1801220 rol1760	transparent	1760	400	1,974	0,725	0,714	37%	36%	98,5%	
1801220 rol1760 #2	transparent	1760	400	1,972	0,707	0,692	36%	35%	97,9%	Repeat measurement: same sample batch

The above values in the table are indicative only and no rights can be derived from them. Users of our UVC film are responsible for taking their own measurements to determine suitability for the application.