

# DP 650

26/04/2018

Measure Reference	Machine	Recipe	Time (s)	Adh. Layer	Film	Results	+/- %	Substrates	Measurement Tool	number of sites	Date	User
001	DP650	RTF_Cr	294	-	Cr	190 nm	7,5	Float glass	DekTak	5	16/12/2014	bellenrieder
						2,3030 Ω/sq	10,8	Float glass	OmniMap RS-75	5		
						1 963 MPa	-	Si Test	FLX 2320-S	1		
002	DP650	RTU_Cr	345	-	Cr	195 nm	3,1	Float glass	DekTak	5	16/12/2014	bellenrieder
						3,2700 Ω/sq	5,6	Float glass	OmniMap RS-75	5		
						1 268 MPa	-	Si Test	FLX 2320-S	1		
003	DP650	RTU_Cr	862	-	Cr	487 nm	-	-	-	-	16/12/2014	bellenrieder
						- Ω/sq	-	-	-	-		
						860 MPa	-	Si Test	FLX 2320-S	1		
004	DP650	RTU_Cr	862	-	Cr	487 nm	-	-	-	-	16/12/2014	bellenrieder
						- Ω/sq	-	-	-	-		
						852 MPa	-	Si Test + wox	FLX 2320-S	1		
005	DP650	RT_E_Cr_unif	862	-	Cr	487 nm	-	-	-	-	16/12/2014	bellenrieder
						- Ω/sq	-	-	-	-		
						822 MPa	-	Si Test + wox	FLX 2320-S	1		
006	DP650	RTU_Cr-Cu	156	Cr 10nm	Cu	197 nm	8,2	Float glass	DekTak	5	03/02/2015	bellenrieder
						0,1328 Ω/sq	8,8	Float glass	OmniMap RS-75	5		
						231 MPa	0,9	Si Test	FLX 2320-S	2		
007	DP650	RTF_Cr-Cu	77	Cr 10nm	Cu	202 nm	10,4	Float glass	DekTak	5	03/02/2015	bellenrieder
						0,1305 Ω/sq	13,6	Float glass	OmniMap RS-75	5		
						258 MPa	0,1	Si Test	FLX 2320-S	2		
008	DP650	RTU_Ta	667	-	Ta	199 nm	3,5	Float glass	DekTak	5	03/02/2015	bellenrieder
						8,9007 Ω/sq	6,2	Float glass	OmniMap RS-75	5		
						-1 305 MPa	0,1	Si Test	FLX 2320-S	2		
009	DP650	RTF_Ta	333	-	Ta	202 nm	5,2	Float glass	DekTak	5	03/02/2015	bellenrieder
						8,7923 Ω/sq	8,3	Float glass	OmniMap RS-75	5		
						-1 550 MPa	0,1	Si Test	FLX 2320-S	2		
010	DP650	RTU_Ta(LS)	667	-	Ta	-35 MPa	37,0	Si Test	FLX 2320-S	2	19/02/2015	bellenrieder
011	DP650	RTU_Cr-Al	339	Cr 10nm	Al	179 nm	7,8	Float glass	DekTak	5	25/02/2015	bellenrieder
						0,2727 Ω/sq	11,4	Float glass	OmniMap RS-75	5		
						31 MPa	9,2	Si Test	FLX 2320-S	2		
012	DP650	RTF_Cr-Al	145	Cr 10nm	Al	176 nm	16,8	Float glass	DekTak	5	25/02/2015	bellenrieder
						0,2147 Ω/sq	19,1	Float glass	OmniMap RS-75	5		
						68 MPa	26,9	Si Test	FLX 2320-S	2		
013	DP650	RTU_Cr-Au	175	Cr 10nm	Au	217 nm	10,3	Float glass	DekTak	5	02/03/2015	bellenrieder
						0,2362 Ω/sq	12,2	Float glass	OmniMap RS-75	5		
						85 MPa	10,3	Si Test	FLX 2320-S	2		

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014	DP650	RTF_Cr-Au	102	Cr 10nm	Au	195 nm	16,1	Float glass	DekTak	5	23/02/2015	bellenrieder
						0,2631 Ω/sq	16,8	Float glass	OmniMap RS-75	5		
						78 MPa	1,0	Si Test	FLX 2320-S	2		
015	DP650	RTU_Cr-Ni	556	Cr 10nm	Ni	210 nm	9,6	Float glass	DekTak	5	23/02/2015	bellenrieder
						0,4806 Ω/sq	9,3	Float glass	OmniMap RS-75	5		
						398 MPa	1,3	Si Test	FLX 2320-S	2		
016	DP650	RTF_Cr-Ni	250	Cr 10nm	Ni	202 nm	16,3	Float glass	DekTak	5	04/03/2015	bellenrieder
						0,5336 Ω/sq	18,4	Float glass	OmniMap RS-75	5		
						201 MPa	0,5	Si Test	FLX 2320-S	2		
017	DP650	RTU_Cr-Pt	286	Cr 10nm	Pt	192 nm	6,9	Float glass	DekTak	5	04/03/2015	bellenrieder
						0,8921 Ω/sq	6,5	Float glass	OmniMap RS-75	5		
						-463 MPa	0,3	Si Test	FLX 2320-S	2		
018	DP650	RTF_Cr-Pt	194	Cr 10nm	Pt	209 nm	16,4	Float glass	DekTak	5	04/03/2015	bellenrieder
						0,8242 Ω/sq	15,0	Float glass	OmniMap RS-75	5		
						-423 MPa	0,1	Si Test	FLX 2320-S	2		
019	DP650	RTU_Si	1111	-	Si	203 nm	9,3	Si Test + wox	Sopra GES 5E	5	23/02/2015	bellenrieder planglet
						52 MPa	4,8	Si Test	FLX 2320-S	2		
020	DP650	RTU_Ti	488	-	Ti	153 nm	6,4	Float glass	DekTak	5	02/03/2015	bellenrieder
						5,2085 Ω/sq	7,1	Float glass	OmniMap RS-75	5		
						-103 MPa	5,5	Si Test	FLX 2320-S	2		
021	DP650	RTF_Ti	256	-	Ti	160 nm	9,2	Float glass	DekTak	5	02/03/2015	bellenrieder
						3,9258 Ω/sq	10,1	Float glass	OmniMap RS-75	5		
						-660 MPa	0,2	Si Test	FLX 2320-S	2		
022	DP650	RTU_Cr	17	-	Cr	10 nm					30/03/2015	bellenrieder
						3 025 MPa	1,2	Si Test	FLX 2320-S	2		
023	DP650	RTF_Cr	15	-	Cr	10 nm					30/03/2015	bellenrieder
						3 246 MPa	2,0	Si Test	FLX 2320-S	2		
024	DP650	RTU_Cr-Ag	111	Cr 10nm	Ag	202 nm	8,2	Float glass	DekTak	5	20/04/2015	bellenrieder
						0,1355 Ω/sq	9,2	Float glass	OmniMap RS-75	5		
						14 MPa	13,5	Si Test	FLX 2320-S	2		
025	DP650	RTF_Cr-Ag	69	Cr 10nm	Ag	206 nm	14,8	Float glass	DekTak	5	20/04/2015	bellenrieder
						0,1362 Ω/sq	17,2	Float glass	OmniMap RS-75	5		
						32 MPa	8,9	Si Test	FLX 2320-S	2		
026	DP650	RTU_Cr-Ir	465	Cr 10nm	Ir	195 nm	7,8	Float glass	DekTak	5	11/05/2015	bellenrieder
						0,9205 Ω/sq	9,5	Float glass	OmniMap RS-75	5		
						-1 926 MPa	6,7	Si Test	FLX 2320-S	2		

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027	DP650	RTF_Cr-Ir	227	Cr 10nm	Ir	192 nm	7,8	Float glass	DekTak	5	11/05/2015	bellenrieder
						0,9316 Ω/sq	9,5	Float glass	OmniMap RS-75	5		
						-1 750 MPa	0,3	Si Test	FLX 2320-S	2		
028	DP650	RTU_IrOx	267	-	IrOx	174 nm	4,4	Float glass	DekTak	5	11/05/2015	bellenrieder
						22,7100 Ω/sq	10,4	Float glass	OmniMap RS-75	5		
						-2 066 MPa	0,1	Si Test	FLX 2320-S	2		
029	DP650	RTU_Cr-Ta	667	Cr 10nm	Ta	202 nm	7,6	Float glass	DekTak	5	30/03/2015	bellenrieder
						2,2740 Ω/sq	18,0	Float glass	OmniMap RS-75	5		
						-1 506 MPa	1,6	Si Test	FLX 2320-S	2		
030	DP650	RTF_Cr-Ta	328	Cr 10nm	Ta	199 nm	7,6	Float glass	DekTak	5	30/03/2015	bellenrieder
						1,1670 Ω/sq	18,0	Float glass	OmniMap RS-75	5		
						-1 714 MPa	1,6	Si Test	FLX 2320-S	2		
031	DP650	RTU_Cr-Ta(LS)	667	Cr 10nm	Ta	359 nm	8,5	Float glass	DekTak	5	11/05/2015	bellenrieder
						28,1300 Ω/sq	19,8	Float glass	OmniMap RS-75	5		
						-94 MPa	2,8	Si Test	FLX 2320-S	2		
032	DP650	RTU_Cr-Pd	208	Cr 10nm	Pd	217 nm	6,2	Float glass	DekTak	5	27/04/2015	bellenrieder
						0,7103 Ω/sq	6,2	Float glass	OmniMap RS-75	5		
						-37 MPa	0,7	Si Test	FLX 2320-S	2		
033	DP650	RTF_Cr-Pd	126	Cr 10nm	Pd	218 nm	11,1	Float glass	DekTak	5	27/04/2015	bellenrieder
						0,6769 Ω/sq	14,3	Float glass	OmniMap RS-75	5		
						-47 MPa	7,1	Si Test	FLX 2320-S	2		
034	DP650	RTU_Cr-Mo	313	Cr 10nm	Mo	218 nm	3,9	Float glass	DekTak	5	27/04/2015	bellenrieder
						0,7094 Ω/sq	12,6	Float glass	OmniMap RS-75	5		
						470 MPa	0,7	Si Test	FLX 2320-S	2		
035	DP650	RTF_Cr-Mo	150	Cr 10nm	Mo	214 nm	10,8	Float glass	DekTak	5	27/04/2015	bellenrieder
						0,6333 Ω/sq	15,6	Float glass	OmniMap RS-75	5		
						-448 MPa	0,7	Si Test	FLX 2320-S	2		
036	DP650	RTU_Cr-W		Cr 10nm	W	nm		Float glass	DekTak	5	20/04/2015	bellenrieder
						Ω/sq		Float glass	OmniMap RS-75	5		
						-2 206 MPa	0,3	Si Test	FLX 2320-S	2		
037	DP650	RTF_Cr-W		Cr 10nm	W	nm		Float glass	DekTak	5	20/04/2015	bellenrieder
						Ω/sq		Float glass	OmniMap RS-75	5		
						-2 596 MPa	0,2	Si Test	FLX 2320-S	2		
038	DP650	RTU_Cr-WTi10%	606	Cr 10nm	WTi10%	214 nm	5,3	Float glass	DekTak	5	20/04/2015	bellenrieder
						3,1370 Ω/sq	6,6	Float glass	OmniMap RS-75	5		
						-2 283 MPa	8,0	Si Test	FLX 2320-S	2		
039	DP650	RTF_Cr-WTi10%	294	Cr 10nm	WTi10%	214 nm	9,8	Float glass	DekTak	5	20/04/2015	bellenrieder
						3,0960 Ω/sq	12,8	Float glass	OmniMap RS-75	5		
						-2 171 MPa	0,3	Si Test	FLX 2320-S	2		

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040	DP650	RTU_Cr-WTi10%(LS)	606	Cr 10nm	WTi10%	411 nm	7,7	Float glass	DekTak	5	20/04/2015	bellenrieder
						28,4000 Ω/sq	16,6	Float glass	OmniMap RS-75	5		
						-69 MPa	2,2	Si Test	FLX 2320-S	2		
041	DP650	RTF_Cr-WTi10%(LS)	294	Cr 10nm	WTi10%	353 nm	9,6	Float glass	DekTak	5	20/04/2015	bellenrieder
						6,6820 Ω/sq	25,6	Float glass	OmniMap RS-75	5		
						96 MPa	3,0	Si Test	FLX 2320-S	2		
042	DP650	RTU_Cr-Sn	60	Cr 10nm	Sn	218 nm	7,8	Float glass	DekTak	5	24/06/2015	gclerc planglet
						4,5830 Ω/sq	18,4	Float glass	OmniMap RS-75	5		
						-33 MPa	5,6	Si Test	FLX 2320-S	2		
043	DP650	RTF_Cr-Sn	60	Cr 10nm	Sn	325 nm	7,8	Float glass	DekTak	5	24/06/2015	gclerc planglet
						0,6914 Ω/sq	21,6	Float glass	OmniMap RS-75	5		
						9 MPa	7,6	Si Test	FLX 2320-S	2		
044	DP650	RTU_WOx	300	-	WOx	152 nm Ω/sq MPa	8,2	Si Test	Sopra GES 5E	5	29/07/2015	planglet
045	DP650	RTU_WOx	300	-	WOx	154 nm	8,1	Si Test	Sopra GES 5E	5	30/07/2015	planglet
						Ω/sq	3,9	Si Test	FLX 2320-S	2		
046	DP650	RTU_W(LS)	400	-	W	144 nm	9,9	Float glass	DekTak	5	02/05/2016	planglet
						1,4460 Ω/sq	7,2	Float glass	OmniMap RS-75	5		
						-1 327 MPa	0,9	Si Test	FLX 2320-S	2		
047	DP650	RTU_Cr-IrOx(LS)	300	-	IrOx	238 nm	4,4	Float glass	DekTak	5	20/06/2016	gclerc planglet
						Ω/sq	0,7	Si Test	FLX 2320-S	2		
048	DP650	RTU_Cu3N	600	-	Cu3N	275 nm	7,2	Float glass	DekTak	5	05/10/2016	gclerc planglet
						Ω/sq						
049	DP650		600	-	FeCoB	17,5 nm					28/11/2016	kbaumgärtl
						Ω/sq						
050	DP650	RTU_Cr-Sb	180	Cr 10nm	Sb	491,4 nm		Float glass	DekTak	2	11/05/2017	gclerc planglet
						Ω/sq		Float glass	OmniMap RS-75			
051	DP650	RTF_Cr-Sb	180	Cr 11nm	Sb	1 077,0 nm		Float glass	DekTak	2	11/05/2017	gclerc planglet
						Ω/sq		Float glass	OmniMap RS-75			
052	DP650	RTS_Sb	600	-	Sb	200,0 nm		Si Test	DekTak	1	07/06/2017	promero
						Ω/sq						
						MPa						

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053	DP650	RTS_Cu	100	-	Cu	13,2 nm Ω/sq MPa		Si Test	XRR XRD Empyrean Diffractometer	1	26/06/2017	mblank
054	DP650	RTS_Cr-Ge	600	Cr 6nm	Ge	13,2 nm Ω/sq MPa		Float glass	DekTak	1	29/11/2017	rjuttin gclerc planglet
055	DP650	RTU_W	242	-	W	84,6 nm Ω/sq MPa		Si Test	X-Ray reflectivity	1	18/01/2018	mblank
056	DP651	RTU_TiN	243	Cr 10 nm	TiN	135,5 nm Ω/sq MPa		Float glass	DekTak	5	25/04/2018	gclerc