













Warnings

-  Book PDF contains color pages (more than 1 separation) (94951x on pages 1-440)
-  Font Symbol uses an artificial italic style (4x on page 79)
-  Text of 2.45...4.98 pt is less than 5 pt (950x on pages 14...430)
-  Text of 2.45...6.5 pt, colored with 2 or more separations, is less than 7 pt (63x on pages 30,36,56,67-68, 81,135,138)
-  Indexed color is used (18x on pages 36,143,147,309-310,312-313,429)



Fixes

-  Remapped Device grayscale color space to Separation color space, keeping overprint (1x on page 4)
-  Changed PDF/X version key to PDF/X-3:2002
-  Changed PDF/X-3:2002 Output Intent to Custom
-  Changed black text to overprint (1x on page 4)
-  Compressed objects using ZIP compression (20x)



Processing

Certified PDF status	Preflighted successfully
Preflight Profile	SpringerPrint_Books_v08_1002
Created by	Mark Rübsam
	Springer
Pages processed	1-440
Application used to preflight	Enfocus PitStop Server 13 update 2 powered by Enfocus PitStop Library 13 update 2
Application used to create the report	Enfocus PitStop Library 13 update 2
Preflighted on	UTC: July 25, 2016 - 22:16:54 [July 26, 2016 - 03:46:54]

Document properties

Document Name	978-3-662-52145-8_Book_PrintPDF.pdf
Number of pages	440
PDF Version	1.3
Creation Date	UTC: July 25, 2016 - 22:12:13 [July 26, 2016 - 03:42:13]
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Producer	Acrobat Distiller 11.0 (Windows)
Creator	Arbortext Advanced Print Publisher 9.0.114/W
Author	swf
Title	978-3-662-52145-8_Book_PrintPDF.pdf
Subject	-
Keywords	-
Trapped	no
Trapping Information Present	no
Repaired on Open	no
Optimized for Fast Web View	no
Thumbnails Present	no
Binding	left
Job Ticket Present	no

Security

Encryption Type	not encrypted
Content Copying or Extraction	allowed
Content Access for Disabled Users	allowed
Adding or Modifying Annotations	allowed
Creating or Modifying Form Fields	allowed
Form Field Fill-in or Signing	allowed
Document Assembly	allowed
Other Document Modifications	allowed
Printing	high resolution

Compression

Data format	binary
Document structure compressed	yes
Filters used	CCITT, JPEG, ZIP



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Certified PDF Workflow Information

Status Incoming Document

Not Certified

Action:

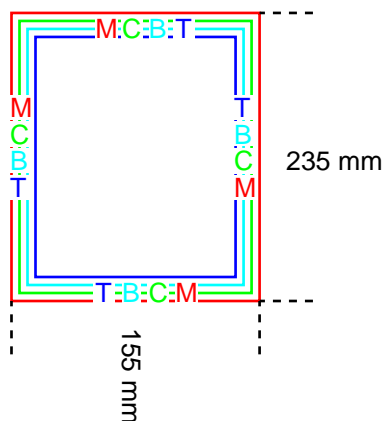
Started Certified PDF workflow

Status Outgoing Document

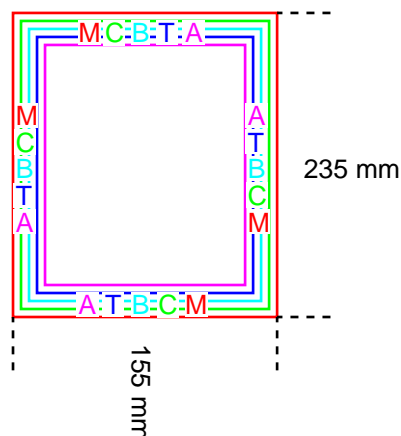
Preflight Profile Name:	SpringerPrint_Books_v08_1002
Author:	Mark Rübsam
Company:	Springer
Document Status	Preflighted successfully
Preflight Profile Status	Match



Defined page boxes



Effective page boxes



Page box	Defined size	Effective size
Media box (M)	155 x 235 mm	155 x 235 mm
Crop box (C)	155 x 235 mm	155 x 235 mm
Trim box (T)	155 x 235 mm	155 x 235 mm
Bleed box (B)	155 x 235 mm	155 x 235 mm
Art box (A)	not defined	155 x 235 mm

Defined for pages 1-440

Media box starts at : (0, 0) mm

Page rotation : 0 degrees

Page scaling factor : 1



Font Information

PostScript font name	Type	Embedded as	Subset	Encoding
AdvGTIMES-B	Type 1	Type 1	yes	Custom
AdvGTIMES-R	Type 1	Type 1	yes	Custom
AdvPTimes	Type 1	Type 1	yes	Custom
AdvNPSTim-B	Type 1	Type 1	yes	Custom
AdvSPRING-R	Type 1	Type 1	yes	Custom
AdvGTIMES-IT	Type 1	Type 1	yes	Custom
AdvPSSym	Type 1	Type 1	yes	Custom
Times-Roman	Type 1	Type 1	yes	Custom
AdvPSMP13	Type 1	Type 1	yes	Custom
AdvTimes	Type 1	Type 1	yes	Custom
AdvP4C4E74	Type 1	Type 1	yes	Custom
AdvPSSPS-AS	Type 1	Type 1	yes	Custom
AdvP4C4E46	Type 1	Type 1	yes	Custom
AdvP4C4E51	Type 1	Type 1	yes	Custom
AdvPSMP10	Type 1	Type 1	yes	Custom
AdvGTIMES-BI	Type 1	Type 1	yes	Custom
Helvetica	Type 1	Type 1	yes	Custom
Times-Bold	Type 1	Type 1	yes	Custom
AdvTir_symb	Type 1	Type 1	yes	Custom
Helvetica-Bold	Type 1	Type 1	yes	Custom
Helvetica-Oblique	Type 1	Type 1	yes	Custom
AdvPSMP4	Type 1	Type 1	yes	Custom
AdvPS_TINR	Type 1	Type 1	yes	Custom
AdvCYRIL	Type 1	Type 1	yes	Custom
AdvPi1	Type 1	Type 1	yes	Custom
Symbol	Type 1	Type 1	yes	Custom
Times-Italic	Type 1	Type 1	yes	Custom
AdvPSMP11	Type 1	Type 1	yes	Custom
AdvPSMP12	Type 1	Type 1	yes	Custom
Helvetica-BoldOblique	Type 1	Type 1	yes	Custom
AdvP4C4E59	Type 1	Type 1	yes	Custom
AdvPTimesBI	Type 1	Type 1	yes	Custom
AdvPS.MH4	Type 1	Type 1	yes	Custom
AdvPTimesB	Type 1	Type 1	yes	Custom
Times-BoldItalic	Type 1	Type 1	yes	Custom
AdvPi2	Type 1	Type 1	yes	Custom
AdvPi3	Type 1	Type 1	yes	Custom
AdvPTimesI	Type 1	Type 1	yes	Custom
AdvPSMSAM10	Type 1	Type 1	yes	Custom
AdvMSBMTEN	Type 1	Type 1	yes	Custom
AdvNEWPSTim	Type 1	Type 1	yes	Custom
AdvSPSASORT	Type 1	Type 1	yes	Custom



Image Information

Type	Color Space	Size (pixels)	Resolution (ppi)	Bits per channel	Page	Angle (degrees)	Shear	Flipped	Custom Transfer	Custom Halftone	Custom BG	Custom UCR
Grayscale	Separation: Black (Process color)	986x680	599.5x599.3	8	22	0	-	-	-	-	-	-
Color	CMYK	2126x1401	599.9x599.9	8	24	0	-	-	-	-	-	-
Color	CMYK	2362x1329	599.9x599.9	8	25	0	-	-	-	-	-	-
Mask	Gray	2835x1591	1200x1200	1	25	0	-	-	-	-	-	-
Color	Indexed	143x248	597.7x598.1	8	36	0	-	-	-	-	-	-
Color	Indexed	143x248	597.7x598.1	8	36	0	-	-	-	-	-	-
Color	Indexed	268x248	598.2x598.1	8	36	0	-	-	-	-	-	-
Color	Indexed	268x248	598.2x598.1	8	36	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	593x84	599.2x594.3	8	36	0	-	-	-	-	-	-
Grayscale	Gray	2362x2240	599.9x599.9	8	42	0	-	-	-	-	-	-
Mask	Gray	3591x2821	1200x1200	1	45	0	-	-	-	-	-	-
Mask	Gray	5434x2734	1200x1200	1	48	0	-	-	-	-	-	-
Color	CMYK	2362x1086	599.8x599.6	8	52	0	-	-	-	-	-	-
Grayscale	Gray	2126x844	599.9x599.8	8	53	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	95x183	595x597.4	8	61	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	97x183	595.1x597.4	8	61	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	97x370	595.1x598.7	8	61	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1097x862	599.6x599.4	8	73	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1103x840	599.6x599.4	8	73	0	-	-	-	-	-	-
Grayscale	Gray	1791x1352	599.9x599.9	8	84	0	-	-	-	-	-	-
Mask	Gray	5433x1380	1200x1200	1	94	0	-	-	-	-	-	-
Mask	Gray	5434x1284	1200x1200	1	95	0	-	-	-	-	-	-
Color	CMYK	2717x1109	599.9x599.8	8	96	0	-	-	-	-	-	-



Image Information

Type	Color Space	Size (pixels)	Resolution (ppi)	Bits per channel	Page	Angle (degrees)	Shear	Flipped	Custom Transfer	Custom Halftone	Custom BG	Custom UCR
Color	CMYK	2720x800	600x599.8	8	96	0	-	-	-	-	-	-
Color	CMYK	2717x2175	599.9x599.9	8	97	0	-	-	-	-	-	-
Color	CMYK	2733x2433	600x599.9	8	99	0	-	-	-	-	-	-
Color	CMYK	2717x1212	599.9x599.9	8	101	0	-	-	-	-	-	-
Color	CMYK	2717x1096	599.9x599.8	8	103	0	-	-	-	-	-	-
Color	CMYK	2126x1644	599.9x599.9	8	106	0	-	-	-	-	-	-
Color	CMYK	2717x1363	599.9x599.9	8	106	0	-	-	-	-	-	-
Color	CMYK	2716x1456	600x599.9	8	107	0	-	-	-	-	-	-
Mask	Gray	2844x2640	1200x1200	1	108	0	-	-	-	-	-	-
Color	CMYK	2126x1742	599.9x599.9	8	109	0	-	-	-	-	-	-
Mask	Gray	3599x2689	1200x1200	1	110	0	-	-	-	-	-	-
Mask	Gray	5442x2266	1200x1200	1	111	0	-	-	-	-	-	-
Color	CMYK	1795x1512	599.9x599.9	8	112	0	-	-	-	-	-	-
Color	CMYK	2717x1314	599.9x599.9	8	113	0	-	-	-	-	-	-
Mask	Gray	3599x3139	1200x1200	1	114	0	-	-	-	-	-	-
Color	CMYK	1792x1417	599.9x599.9	8	115	0	-	-	-	-	-	-
Color	CMYK	2716x901	599.9x599.8	8	115	0	-	-	-	-	-	-
Mask	Gray	4251x2795	1200x1200	1	116	0	-	-	-	-	-	-
Color	CMYK	1795x1326	599.9x599.9	8	117	0	-	-	-	-	-	-
Mask	Gray	5443x2191	1200x1200	1	118	0	-	-	-	-	-	-
Color	CMYK	945x1225	599.8x599.9	8	120	0	-	-	-	-	-	-
Grayscale	Gray	2717x2165	599.9x599.9	8	122	0	-	-	-	-	-	-
Color	CMYK	2340x1022	599.9x599.8	8	123	0	-	-	-	-	-	-
Color	CMYK	2717x969	599.9x599.8	8	124	0	-	-	-	-	-	-
Color	CMYK	2717x1168	599.9x599.8	8	125	0	-	-	-	-	-	-
Color	CMYK	2717x955	599.9x599.8	8	125	0	-	-	-	-	-	-
Color	CMYK	2708x2203	599.8x599.8	8	140	0	-	-	-	-	-	-
Color	Indexed	256x205	598.1x597.7	8	143	0	-	-	-	-	-	-
Color	Indexed	279x202	598.3x597.6	8	143	0	-	-	-	-	-	-
Color	Indexed	293x202	598.4x597.6	8	143	0	-	-	-	-	-	-
Color	Indexed	329x534	598.5x599.1	8	143	0	-	-	-	-	-	-
Color	Indexed	366x530	598.7x599.1	8	143	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	2095x717	599.8x599.3	8	143	0	-	-	-	-	-	-
Color	CMYK	1181x1181	599.8x599.8	8	144	0	-	-	-	-	-	-
Grayscale	Gray	2717x982	599.9x599.8	8	145	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1585x977	599.7x599.5	8	145	0	-	-	-	-	-	-



Image Information

Type	Color Space	Size (pixels)	Resolution (ppi)	Bits per channel	Page	Angle (degrees)	Shear	Flipped	Custom Transfer	Custom Halftone	Custom BG	Custom UCR
Color	CMYK	1694x1147	600x599.8	8	147	0	-	-	-	-	-	-
Color	Indexed	1988x1056	599.8x599.5	8	147	0	-	-	-	-	-	-
Color	Indexed	2536x883	599.9x599.5	8	147	0	-	-	-	-	-	-
Grayscale	Gray	1795x2343	599.9x599.9	8	156	0	-	-	-	-	-	-
Grayscale	Gray	2717x1077	599.9x599.8	8	156	0	-	-	-	-	-	-
Grayscale	Gray	2717x1001	599.9x599.8	8	157	0	-	-	-	-	-	-
Grayscale	Gray	1795x1110	599.9x599.8	8	162	0	-	-	-	-	-	-
Color	CMYK	1795x1151	599.9x599.8	8	163	0	-	-	-	-	-	-
Grayscale	Gray	1795x1137	599.9x599.8	8	165	0	-	-	-	-	-	-
Grayscale	Gray	2717x1599	599.9x599.9	8	165	0	-	-	-	-	-	-
Grayscale	Gray	1795x1191	599.9x599.8	8	166	0	-	-	-	-	-	-
Mask	Gray	5433x1883	1200x1200	1	167	0	-	-	-	-	-	-
Grayscale	Gray	2368x1480	599.9x599.9	8	222	0	-	-	-	-	-	-
Grayscale	Gray	1797x908	599.9x599.8	8	223	0	-	-	-	-	-	-
Grayscale	Gray	2723x975	599.9x599.8	8	225	0	-	-	-	-	-	-
Grayscale	Gray	1798x838	599.9x599.8	8	226	0	-	-	-	-	-	-
Grayscale	Gray	2129x1496	599.9x599.9	8	228	0	-	-	-	-	-	-
Grayscale	Gray	2722x596	599.9x599.7	8	229	0	-	-	-	-	-	-
Grayscale	Gray	2720x564	600x599.7	8	230	0	-	-	-	-	-	-
Grayscale	Gray	2721x780	599.9x599.8	8	230	0	-	-	-	-	-	-
Grayscale	Gray	2717x793	599.9x599.8	8	231	0	-	-	-	-	-	-
Grayscale	Gray	2717x1205	599.9x599.9	8	232	0	-	-	-	-	-	-
Grayscale	Gray	1798x1119	599.9x599.8	8	233	0	-	-	-	-	-	-
Grayscale	Gray	2719x870	600x599.8	8	233	0	-	-	-	-	-	-
Grayscale	Gray	2717x1437	599.9x599.9	8	234	0	-	-	-	-	-	-
Grayscale	Gray	2721x994	599.9x599.8	8	235	0	-	-	-	-	-	-
Grayscale	Gray	2717x1137	599.9x599.8	8	236	0	-	-	-	-	-	-
Grayscale	Gray	2717x1169	599.9x599.8	8	237	0	-	-	-	-	-	-
Grayscale	Gray	2717x1859	599.9x599.9	8	238	0	-	-	-	-	-	-
Grayscale	Gray	2717x3159	599.9x599.9	8	240	0	-	-	-	-	-	-
Grayscale	Gray	2717x923	599.9x599.8	8	242	0	-	-	-	-	-	-
Grayscale	Gray	2718x2422	599.9x599.9	8	243	0	-	-	-	-	-	-
Grayscale	Gray	2719x2718	600x599.9	8	244	0	-	-	-	-	-	-
Grayscale	Gray	2717x1648	599.9x599.9	8	245	0	-	-	-	-	-	-
Grayscale	Gray	2720x941	600x599.8	8	246	0	-	-	-	-	-	-
Mask	Gray	5448x2670	1200x1200	1	247	0	-	-	-	-	-	-
Color	CMYK	2717x820	599.9x599.8	8	250	0	-	-	-	-	-	-
Color	CMYK	898x568	300x299.9	8	253	0	-	-	-	-	-	-



Image Information

Type	Color Space	Size (pixels)	Resolution (ppi)	Bits per channel	Page	Angle (degrees)	Shear	Flipped	Custom Transfer	Custom Halftone	Custom BG	Custom UCR
Grayscale	Separation: Black (Process color)	1474x853	599.7x599.4	8	301	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1892x1089	599.7x599.6	8	307	0	-	-	-	-	-	-
Color	Indexed	1385x809	599.8x599.4	8	309	0	-	-	-	-	-	-
Color	Indexed	2406x633	599.8x599.2	8	310	0	-	-	-	-	-	-
Color	Indexed	2417x570	599.8x599.2	8	310	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1438x761	599.7x599.4	8	311	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1606x919	599.7x599.5	8	311	0	-	-	-	-	-	-
Color	Indexed	1450x913	599.7x599.5	8	312	0	-	-	-	-	-	-
Color	Indexed	2477x663	599.8x599.3	8	312	0	-	-	-	-	-	-
Color	Indexed	1512x905	599.7x599.5	8	313	0	-	-	-	-	-	-
Mask	Gray	3590x2762	1200x1200	1	338	0	-	-	-	-	-	-
Mask	Gray	3590x2735	1200x1200	1	339	0	-	-	-	-	-	-
Mask	Gray	1890x3957	1200x1200	1	360	0	-	-	-	-	-	-
Mask	Gray	4724x2135	1200x1200	1	362	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	2717x619	599.8x599.2	8	365	0	-	-	-	-	-	-
Mask	Gray	4252x1777	1200x1200	1	391	0	-	-	-	-	-	-
Grayscale	Gray	1795x1397	599.9x599.9	8	394	0	-	-	-	-	-	-
Grayscale	Gray	2126x1417	599.9x599.9	8	396	0	-	-	-	-	-	-
Grayscale	Gray	2126x1798	599.9x599.9	8	399	0	-	-	-	-	-	-
Grayscale	Gray	2695x1964	600x599.9	8	404	0	-	-	-	-	-	-
Grayscale	Gray	1795x1126	599.9x599.8	8	405	0	-	-	-	-	-	-
Grayscale	Gray	2126x584	599.9x599.7	8	406	0	-	-	-	-	-	-
Grayscale	Gray	1795x1379	599.9x599.9	8	407	0	-	-	-	-	-	-
Mask	Gray	3591x1574	1200x1200	1	407	0	-	-	-	-	-	-
Grayscale	Gray	1795x704	599.9x599.7	8	408	0	-	-	-	-	-	-
Grayscale	Gray	1795x953	599.9x599.8	8	408	0	-	-	-	-	-	-
Grayscale	Gray	2126x2316	599.9x599.9	8	409	0	-	-	-	-	-	-
Grayscale	Gray	1795x509	599.9x599.6	8	410	0	-	-	-	-	-	-



Image Information

Type	Color Space	Size (pixels)	Resolution (ppi)	Bits per channel	Page	Angle (degrees)	Shear	Flipped	Custom Transfer	Custom Halftone	Custom BG	Custom UCR
Grayscale	Gray	2362x1318	599.9x599.9	8	411	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1478x936	599.7x599.5	8	420	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1495x935	599.7x599.5	8	420	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1522x970	599.7x599.5	8	423	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1541x962	599.7x599.5	8	423	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1527x982	599.7x599.5	8	424	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1531x956	599.7x599.5	8	424	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1545x961	599.7x599.5	8	424	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1445x947	599.7x599.5	8	426	0	-	-	-	-	-	-
Color	Indexed	1535x1163	599.7x599.6	8	429	0	-	-	-	-	-	-
Grayscale	Separation: Black (Process color)	1570x1011	600.6x600.4	8	431	0	-	-	-	-	-	-
Color	CMYK	1416x466	599.7x599	8	433	0	-	-	-	-	-	-
Color	CMYK	631x460	599.2x599	8	433	0	-	-	-	-	-	-
Color	CMYK	2713x713	599.9x599.7	8	434	0	-	-	-	-	-	-



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OPI Information

No OPI



Item	Value
Color Space	Separation (Process color)
Page	1-9,11,13-91,93-151,153-169,171-219,221-257,259-285,287-317,319-387,389-413,415-440
Name	Black
Alternate Space	CMYK
CMYK values	[0, 0, 0, 1]
Color Space	Gray
Page	3,10,12-14,17-20,22-27,29-32,34-36,39-89,92-97,99-118,120,122-125,129,131-133,135-147,152-157,160,162-168,170-171,175-178,181,183-188,194-207,209-213,215,220-223,225-226,228-238,240,242-247,250-253,258-260,263-264,266-280,282,286-287,289-313,318-319,321-331,333-342,344-347,351,355,357-360,362,364-384,388-389,391,393-394,396,399,403-411,414-415,418-438
Color Space	Separation (Process color)
Page	4
Name	Black
Alternate Space	CMYK
CMYK values	[0, 0, 0, 1]
Color Space	CMYK
Page	17-20,22-25,27,29-30,32,34,36,45-46,50-54,56-64,66-69,71-73,75-83,85-89,96-97,99,101,103,106-107,109,112-113,115,117,120,123-125,131,135-140,142-144,147,154-155,163,168,175-178,181,186-188,194,196-199,203,205-207,213,215,250,253,260,263-264,267,269,271-272,278,280,282,289-292,295,297,299-303,306-313,315,343,365-366,370,376-378,380,382-384,420,423-424,426,428-429,431,433-434
Color Space	Indexed
Page	36
Base Space	CMYK
Range	1
Color Space	Indexed
Page	36
Base Space	CMYK
Range	1
Color Space	Indexed
Page	143
Base Space	CMYK
Range	38
Color Space	Indexed
Page	143
Base Space	CMYK
Range	48
Color Space	Indexed
Page	143
Base Space	CMYK



Item	Value
Range	49
Color Space	Indexed
Page	143
Base Space	CMYK
Range	88
Color Space	Indexed
Page	143
Base Space	CMYK
Range	83
Color Space	Indexed
Page	147
Base Space	CMYK
Range	151
Color Space	Indexed
Page	147
Base Space	CMYK
Range	207
Color Space	Indexed
Page	309
Base Space	CMYK
Range	3
Color Space	Indexed
Page	310
Base Space	CMYK
Range	4
Color Space	Indexed
Page	310
Base Space	CMYK
Range	5
Color Space	Indexed
Page	312
Base Space	CMYK
Range	4
Color Space	Indexed
Page	312
Base Space	CMYK
Range	4
Color Space	Indexed
Page	313



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Color Information

Item

Value

Base Space
Range

CMYK
4



Color Space
Page
Base Space
Range

Indexed
429
CMYK
3



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Output Intents

GTS_PDFX

Output condition	ISO Coated v2 300% (ECI)
Output condition identifier	Custom
Additional information	ISO Coated v2 300% (ECI)
Destination output profile	ISO Coated v2 300% (ECI)