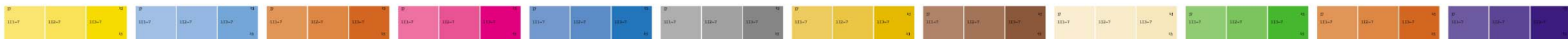


## COLORTREND® 990 Typical Physical Properties / Typische Physikalische Eigenschaften

Product Code Produkt Code	Product Description Produkt Beschreibung	CI	Pigment	S.g. Dichte	Weather fastness Wetterbeständigkeit		Light fastness Lichtechtheit		Heat Stability Hitzebeständigkeit	Solvent Fastness Lösemittelbeständigkeit
					Fulltone Vollton	Reduction Aufhellung 1/25	Fulltone Vollton	Reduction Aufhellung 1/25		
990-0018 KX	White	PW 6	59	1.940	5	5	8	8	>200°C	5
990-0422 V	Quinacridone Magenta	PR 122	9	1.380	3-4d	4	7d	7-8	200°C	4-5
990-0424 QM	Quinacridone Magenta	PR 122	20	1.160	3-4d	4	7d	7-8	200°C	4-5
990-0715 HX	HS Naphthol Red	PR 112	18	1.500	4-5	3-4	7-8	4	150°C	2-3
990-0716 HXE	Organic Red	PR 254 / PR 168	25	1.310	4-5/5	4-5/4-5	7/8	7/8	200°C/180°C	4-5/4-5
990-0746 HT	Red Special	PV 19 /PR 168	13	1.460	3d/5	3-4/4-5	6d/8	7/8	200°C/180°C	5/4-5
990-0763 HXX	ES Naphtol Red	PR 112	40	1.260	4-5	3-4	7-8	4	150°C	2-3
990-0787 H	Fast Red	PR 123	5	1.650	3-4	3-4	7	7	150°C	4
990-0836 R	Organic Red	PR 188 / PV 19	16	1.550	4-5/3-4	3-4/3-4	7d/8	6-7/7	200°C/200°C	4-5/5
990-0978 GXX	ES Perma-Cal Orange	PO 73	21	1.350	4-5	4-5	8	8	200°C	4-5
990-0979 GX	Perma-Cal Orange	PO 73	9	1.520	4-5	4-5	8	8	200°C	4-5
990-1045 F	Red Iron Oxide	PR 101	62	2.090	5	5	8	8	>200°C	5
990-1572 I	Brown Iron Oxide	PR 101/ Brn 6 / PBk 11	52	1.830	5	5	8	8	>200°C	5
990-1810 C	Yellow Iron Oxide	PY 42	55	1.850	5	5	8	8	180°C	5
990-2009 L	Raw Umber	PR 101 / PY 42 / PBk 7	15	1.730	5	5	8	8	180°C	5
990-2022 YG	Inorganic Yellow	PY 184	60	2.060	4-5	5	8	8	200°C	5
990-2019 LA	Raw Umber	PBrn 7	28	1.400	5	5	8	8	>200°C	5
990-2040 T	Medium Yellow	PY 74 / PY 83*	29	1.390	4-5/4d	4/3	7-8/7-8d	7/6-7	150°C/200°C	3-4/4-5
990-2504 AX	Perma-Cal Yellow	PY 97	33	1.150	4-5	3	7-8	7	180°C	3-4
990-2506 AT	Yellow 3	PY 3	30	1.350	4-5	3	7-8d	3	150°C	2
990-2551 AXX	Organic Yellow	PY 74 / PY 128	23	1.250	4-5/4-5	4/4	7-8/7-8	7/7-8	150°C/200°C	3-4/5
990-2554 SXX	ES Yellow	PY 74	45	1.230	4-5	4	7-8	7	150°C	3-4
990-2557 SX	HS Yellow	PY 74	25	1.450	4-5	4	7-8	7	150°C	3-4
990-5511 D	Phthalo Green	PG 7	9	1.670	5	5	8	7	200°C	5
990-7026 EX	HS Phthalo Blue	PB 15:3	20	1.410	5	5	8	8	200°C	3-4

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.



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					Fulltone Vollton	Reduction Aufhellung 1/25	Fulltone Vollton	Reduction Aufhellung 1/25		
990-7055 EXX	ES Blue	PB 15:3	30	1.240	5	5	8	8	200°C	3-4
990-7214 E	Phthalo Blue	PB 15:1	5	1.770	5	4-5	8	8	>200°C	4-5
990-8894 JX	ES Violet	PV 23	9	1.380	4-5	4	8	7-8	160°C	4-5
990-8895 J	Carbazole Violet	PV 23	4	1.650	5	3-4	7-8	7-8	160°C	4-5
990-9401 QV	Quinacridone Violet	PV 19	26	1.250	4-5	4	7-8	7-8	200°C	5
990-9907 B	Lamp Black	PBk 7	7	1.650	5	5	8	8	>200°C	5
990-9908 BX	HS Lamp Black	PBk 7	28	1.370	5	5	8	8	>200°C	5
990-9956 BXX	ES Lamp Black	PBk 7	41	1.250	5	5	8	8	>200°C	5

All data obtained directly from pigment suppliers, individual testing is recommended / *Alle oben aufgeführten Daten wurden von den entsprechenden Pigmentherstellern übernommen.*  
 Light fastness is measured on scale 1 to 8, where 1=severe change and 8=no change / *Lichtechtheit ist bestimmt nach dem Blaumassstab, wobei 1 schlechtester und 8 bester Wert ist.*  
 Weather and solvent fastness (tests performed with several commonly used solvents) are measured on scale 1 to 5, where 1=severe change and 5=no change. / *Wetter –und Lösemittelbeständigkeit (Tests durchgeführt mit allgemein eingesetzten Lösemitteln) sind getestet auf eine Skala von 1 bis 5, wobei 1 schlecht und 5 gut ist.*  
 "d" = color turns darker / "d" = *Farbton wird dunkler.*  
 \*May decompose at temperature > 200° C and form aromatic amines. / *\*Das Produkt kann sich bei > 200° C zersetzen und aromatische Amine bilden.*  
 "n/a" = not available from pigment supplier / *keine Angabe vom Pigmenthersteller verfügbar*

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

