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350 , E 301 153 가
197 ,
F Munsell 10
가 (Hue), (Value), CIELab Munsell H.V.C (Chroma)
F '01 Munsell 10 11

(HUE)	Munsell	10	11
R	YR	10 - 19	10
Y	GY	20 - 29	
G	BG	30 - 34	
B	PB	35 - 39	
P	RP	40 - 44	
		45 - 49	
		50 - 54	5
		55 - 59	
		60 - 64	
		65 - 69	
N		80	1

2) (Value) 0.5 0.5-9.5 19
3) (Chroma) 1-16
4) Specular Value(Lab) ±0.25
5) Specular Value(CIELab) Index
6) Datascolor Spectraflash 600 Munsell Conversion System , CIE D65 10°
Specular Component Included

- 2004 12 31
F code . F code

가 .(.)

N

F-809500 N9.5	F-809000 N9.0	F-808500 N8.5	F-808000 N8.0	F-807500 N7.5	F-807000 N7.0	F-806500 N6.5
F-806000 N6.0	F-805500 N5.5	F-805000 N5.0	F-804000 N4.0	F-803000 N3.0	F-802000 N2.0	F-801000 N1.0

R

F-198500 9.9R 8.6/0.1	F-198501 9.4R 8.3/0.5	F-168503 6.0R 8.6/2.7	F-158004 5.2R 7.8/4.4	F-188504 8.1R 8.5/3.7	F-198004 9.4R 8.0/4.1	F-188005 8.5R 7.9/5.0
F-188003 8.1R 8.0/3.4	F-197502 9.9R 7.6/2.4	F-147003 4.5R 6.8/2.7	F-126003 2.9R 6.2/3.3	F-155503 5.8R 5.5/3.0	F-176005 7.4R 5.8/5.4	F-145007 4.5R 5.1/7.3
F-186509 8.3R 6.3/9.3	F-196011 9.7R 6.2/11.4	F-185512 8.5R 5.7/11.5	F-186012 8.0R 5.8/12.4	F-185514 8.2R 5.4/13.7	F-196007 9.6R 5.8/7.4	F-174507 7.8R 4.3/6.5
F-136011 3.8R 5.9/10.5	F-135510 3.2R 5.3/10.0	F-125011 2.9R 5.1/11.4	F-134509 3.0R 4.7/9.2	F-154512 5.9R 4.4/12.1	F-164012 6.2R 4.0/11.7	F-153508 5.3R 3.7/8.0

R-YR

F-154004 5.8R 4.2/4.4	F-143504 4.0R 3.4/3.5	F-194002 9.9R 3.8/2.2	F-143507 4.6R 3.5/6.7	F-289000 8.4YR 9.0/0.3	F-259001 5.6YR 9.1/1.3	F-289001 8.6YR 8.9/1.1
YR						
F-289002 8.1YR 9.1/1.5	F-219003 1.6YR 8.9/2.5	F-288501 8.7YR 8.6/1.4	F-299001 9.7YR 9.1/1.5	F-299002 9.9YR 9.1/1.6	F-289003 8.3YR 8.9/2.8	F-298502 9.0YR 8.6/2.1
F-298501 9.2YR 8.7/0.8	F-269001 6.8YR 9.2/0.8	F-219001 1.2YR 9.1/1.2	F-228502 2.6YR 8.6/1.6	F-228503 2.2YR 8.3/2.6	F-218004 1.2YR 8.1/3.8	F-298004 10.0YR 8.0/4.5
F-287500 8.2YR 7.6/0.2	F-278001 7.3YR 8.1/0.8	F-297501 9.6YR 7.7/0.9	F-287502 8.2YR 7.7/1.6	F-288002 8.5YR 7.9/1.8	F-287503 8.2YR 7.6/2.4	F-297502 9.5YR 7.5/2.1
F-258504 5.6YR 8.5/4.0	F-278003 7.1YR 8.2/3.2	F-278004 7.7YR 8.1/3.9	F-288005 8.4YR 7.8/5.0	F-268005 6.6YR 8.0/5.1	F-257504 5.8YR 7.3/4.0	F-277003 7.1YR 7.0/3.3
F-268503 6.0YR 8.3/2.9	F-258003 5.1YR 8.1/3.4	F-267502 6.9YR 7.6/2.2	F-258002 5.6YR 7.8/2.0	F-237003 3.9YR 7.2/3.3	F-207005 0.7YR 6.9/4.6	F-207506 0.3YR 7.3/6.3
F-298503 9.8YR 8.4/2.8	F-297504 9.5YR 7.3/4.3	F-298006 9.0YR 7.9/5.9	F-277006 7.3YR 7.1/5.9	F-276505 7.3YR 6.6/4.8	F-247005 4.2YR 7.1/4.8	F-216005 1.7YR 5.9/5.3
F-267506 6.2YR 7.4/5.8	F-257507 5.5YR 7.5/6.7	F-246506 4.2YR 6.6/6.5	F-246507 4.4YR 6.4/7.1	F-236009 3.3YR 5.9/9.2	F-216508 1.8YR 6.7/7.6	F-226008 2.1YR 6.1/8.2
F-267012 6.6YR 6.9/12.2	F-267013 6.4YR 7.2/12.9	F-246511 4.5YR 6.7/11.2	F-246513 4.3YR 6.7/12.6	F-227011 2.3YR 7.0/11.1	F-216011 1.0YR 6.2/11.2	F-215509 1.1YR 5.7/9.1
F-298005 9.9YR 8.1/4.6	F-297507 10.0YR 7.5/7.1	F-298010 9.6YR 8.1/9.5	F-288012 8.8YR 7.8/12.3	F-297511 9.0YR 7.5/11.1	F-286508 8.7YR 6.7/7.8	F-286511 8.7YR 6.5/10.8
F-257501 5.5YR 7.7/0.6	F-286501 8.3YR 6.4/0.8	F-226002 2.2YR 6.0/1.8	F-296002 9.5YR 5.9/1.6	F-266503 6.0YR 6.3/3.0	F-256004 5.8YR 6.1/4.2	F-275503 7.5YR 5.3/2.5
YR-Y						
F-235005 3.2YR 5.2/5.4	F-264004 6.5YR 4.1/3.6	F-283501 8.9YR 3.6/1.0	F-319500 3.3Y 9.4/0.6	F-339001 6.6Y 9.1/0.7	F-349001 8.7Y 8.8/0.8	F-319501 3.2Y 9.3/1.2
Y						
F-329002 4.4Y 8.9/1.5	F-328501 4.6Y 8.7/1.2	F-318502 3.0Y 8.5/1.8	F-319002 2.6Y 8.9/2.1	F-309003 0.1Y 8.8/3.0	F-308504 1.4Y 8.7/3.5	F-308505 0.1Y 8.5/5.3
F-329001 5.6Y 9.0/1.0	F-328502 5.2Y 8.7/1.9	F-308506 1.0Y 8.6/5.9	F-318506 2.9Y 8.6/6.4	F-318005 3.3Y 8.0/4.8	F-318011 2.3Y 8.2/10.5	F-308012 1.9Y 8.1/11.6
F-328001 4.6Y 7.8/1.0	F-318501 3.6Y 8.3/1.3	F-317502 2.6Y 7.7/2.0	F-328002 4.3Y 7.8/1.9	F-338002 7.4Y 8.0/2.0	F-347502 8.0Y 7.5/2.1	F-348503 10.0Y 8.5/3.3
F-308502 0.1Y 8.7/1.6	F-308001 0.2Y 8.2/2.2	F-308002 1.0Y 7.8/2.3	F-308003 0.6Y 7.8/3.0	F-307004 0.4Y 7.0/3.5	F-317003 2.4Y 6.8/3.4	F-307502 1.6Y 7.3/1.9
Y-GY						

F-327001 5.2Y 6.8/0.9	F-326002 4.4Y 5.8/1.8	F-316003 3.8Y 6.2/2.6	F-379001 5.8GY 8.9/1.2	F-368501 3.6GY 8.7/0.9	F-368502 2.4GY 8.5/1.2	F-378002 5.0GY 8.1/1.6
GY						
F-389001 7.1GY 9.1/0.5	F-378501 5.0GY 8.8/1.0	F-369001 2.9GY 8.9/1.4	F-368503 2.7GY 8.5/2.7	F-378003 5.0GY 8.1/2.8	F-388004 6.5GY 8.2/3.6	F-377005 4.4GY 7.1/4.5
F-397501 9.4GY 7.7/1.0	F-388001 7.7GY 8.1/1.1	F-398002 9.1GY 7.8/2.0	F-387502 7.0GY 7.3/1.8	F-397002 8.5GY 6.9/2.3	F-396502 9.0GY 6.6/2.4	F-356502 1.1GY 6.6/2.3
F-386508 6.6GY 6.3/8.0	F-396007 8.0GY 6.0/6.5	F-396505 9.6GY 6.3/4.7	F-385004 6.1GY 5.2/4.3	F-375003 5.4GY 5.0/2.7	F-394003 9.8GY 4.2/3.0	F-364002 2.4GY 4.2/1.7
GY-G						
F-379500 4.3GY 9.4/0.3	F-418501 3.7G 8.4/1.0	F-408001 1.9G 8.2/0.6	F-398001 8.5GY 8.1/0.7	F-378001 5.0GY 7.8/0.6	F-396501 8.2GY 6.5/0.8	F-366001 3.7GY 6.2/0.5
G						
F-428501 5.0G 8.7/1.2	F-418503 3.0G 8.3/2.6	F-438502 6.5G 8.3/1.9	F-418001 3.4G 8.3/1.1	F-418002 3.3G 7.9/1.5	F-428002 4.8G 7.9/2.3	F-447003 8.1G 6.8/2.9
F-417008 2.4G 7.1/7.9	F-437007 6.1G 7.0/7.4	F-407002 1.3G 6.8/2.2	F-406002 0.2G 6.2/1.7	F-405504 1.2G 5.6/4.2	F-435505 7.1G 5.7/4.9	F-415504 3.7G 5.5/4.0
G-BG						
F-415506 2.5G 5.3/6.2	F-415509 2.1G 5.5/8.8	F-425506 5.8G 5.3/5.8	F-445004 9.5G 5.2/3.7	F-444002 8.6G 4.2/2.3	F-459001 0.3BG 8.8/0.5	F-489001 7.4G 8.9/0.8
BG						
F-458501 0.2BG 8.5/0.6	F-458001 0.4BG 8.0/0.7	F-488001 7.5BG 8.0/1.2	F-478004 5.6BG 7.8/3.9	F-497007 9.2BG 7.0/6.9	F-497003 8.8BG 7.2/2.6	F-456502 1.8BG 6.7/1.6
F-457502 0.2BG 7.5/1.9	F-457002 0.3BG 7.1/1.7	F-456505 0.7BG 6.3/5.4	F-466507 3.1BG 6.3/7.2	F-465506 3.6BG 5.6/6.2	F-476506 4.6BG 6.5/5.9	F-486004 6.1BG 6.2/4.3
F-476008 5.5BG 5.8/7.7	F-475007 5.1BG 5.2/7.3	F-455006 1.0BG 5.0/6.1	F-455505 0.2BG 5.5/4.7	F-475504 4.4BG 5.4/3.5	F-494004 9.2BG 4.1/4.0	F-474003 4.9BG 4.0/3.0
BG-B						
F-476501 5.9BG 6.6/1.1	F-486001 7.8BG 6.1/0.8	F-455501 0.1BG 5.7/1.3	F-509001 1.8B 8.8/0.7	F-538501 7.6B 8.5/0.6	F-498001 9.8BG 8.1/0.5	F-528001 5.8B 8.0/1.0
B						

F-509002 1.7B 8.9/1.4	F-518501 3.2B 8.4/1.3	F-518502 3.0B 8.3/2.2	F-508503 1.2B 8.3/2.8	F-518503 3.4B 8.5/2.7	F-518004 3.9B 7.9/3.9	F-528003 5.5B 8.1/2.5
F-508002 1.9B 8.0/1.5	F-517502 3.9B 7.5/2.2	F-527503 5.6B 7.3/3.0	F-537505 6.9B 7.6/4.7	F-527005 5.4B 7.0/5.0	F-547006 9.2B 6.8/5.5	F-536005 6.4B 5.9/4.7
F-507500 0.2B 7.3/0.3	F-507000 0.5B 6.8/0.3	F-507001 0.2B 7.1/1.2	F-507501 1.7B 7.1/1.2	F-517001 3.2B 6.9/1.4	F-507002 1.7B 7.1/1.6	F-507503 0.3B 7.3/2.5
F-506504 0.3B 6.3/3.6	F-525503 5.1B 5.8/3.0	F-526004 5.4B 6.2/3.6	F-526003 5.9B 6.0/3.4	F-536004 7.8B 5.9/4.3	F-535506 6.9B 5.5/6.2	F-535508 6.7B 5.7/7.9
F-516507 3.4B 6.3/7.3	F-515007 3.8B 5.2/6.9	F-534506 6.7B 4.6/5.8	F-534505 7.7B 4.5/5.2	F-535504 7.6B 5.4/3.5	F-535003 6.1B 4.8/3.3	F-515503 2.0B 5.4/3.3
B-PB						
F-504004 1.7B 3.9/3.7	F-504003 0.7B 3.8/2.7	F-548001 8.9B 8.1/0.9	F-557502 0.3PB 7.7/1.8	F-558502 0.7PB 8.3/2.4	F-568002 2.7PB 8.0/2.4	F-588003 6.7PB 7.9/2.7
PB						
F-557003 0.5PB 7.0/2.7	F-557002 0.4PB 6.9/1.8	F-567503 3.9PB 7.5/3.0	F-577003 5.6PB 7.1/3.4	F-567504 2.2PB 7.3/4.3	F-557007 0.7PB 6.8/6.5	F-556506 1.4PB 6.5/6.2
F-555508 0.1PB 5.7/8.3	F-575508 4.7PB 5.5/7.7	F-596506 8.3PB 6.4/5.6	F-586004 6.7PB 6.2/4.1	F-576004 4.7PB 5.9/4.0	F-596002 9.7PB 5.8/1.6	F-556000 1.8PB 6.0/0.4
F-556501 0.7PB 6.5/0.9	F-556003 0.2PB 6.0/3.4	F-555503 0.1PB 5.3/2.8	F-555004 0.5PB 5.0/3.5	F-555501 0.2PB 5.5/0.9	F-595001 8.0PB 5.2/0.5	F-554501 0.2PB 4.4/1.0
F-555009 0.2PB 5.2/8.5	F-555507 0.9PB 5.4/7.1	F-555505 1.3PB 5.4/5.0	F-575004 5.3PB 5.2/4.1	F-595006 8.9PB 5.0/5.6	F-595507 9.8PB 5.4/7.0	F-593506 9.4PB 3.7/5.5
F-555007 0.5PB 5.0/7.0	F-564505 2.2PB 4.5/5.4	F-564508 3.0PB 4.5/8.3	F-554006 1.1PB 3.8/5.9	F-553507 1.4PB 3.7/6.5	F-553504 1.4PB 3.4/4.2	F-564003 3.1PB 3.8/2.9
P						
F-647501 9.8P 7.7/1.2	F-628002 5.5P 8.0/1.5	F-618502 2.9P 8.4/1.6	F-638502 6.3P 8.4/2.3	F-628003 4.5P 8.1/2.9	F-627504 5.9P 7.4/4.0	F-617003 2.9P 6.8/2.7
F-647002 9.8P 6.9/2.0	F-625502 4.2P 5.7/1.7	F-616503 3.5P 6.4/3.0	F-626505 4.2P 6.4/5.4	F-616006 3.5P 5.8/6.1	F-605005 0.5P 5.1/4.5	F-604503 0.4P 4.6/3.1
P-RP						
F-604003 1.2P 4.2/3.1	F-614506 2.9P 4.4/5.8	F-624003 5.7P 3.8/2.9	F-698001 9.9RP 8.1/0.9	F-688002 7.8RP 7.9/1.5	F-667502 2.8RP 7.6/1.9	F-678503 4.1RP 8.4/3.2
RP						

F-698502 9.7RP 8.3/2.2	F-688503 6.5RP 8.3/2.6	F-688003 7.4RP 8.1/2.5	F-667503 3.8RP 7.4/2.9	F-676503 4.6RP 6.6/3.2	F-697005 8.1RP 6.9/5.3	F-696509 9.9RP 6.5/9.0
F-686010 6.7RP 5.9/9.7	F-665010 3.0RP 4.9/9.8	F-665005 3.2RP 4.8/4.8	F-675504 5.0RP 5.4/3.9	F-665502 2.0RP 5.3/2.3	F-695006 9.8RP 5.1/6.3	F-695500 9.9RP 5.4/0.4