

## PHOSHORESCENT (GLOW) PIGMENTS

Description	Appearance	Glowing Color	Model	Average Size (um)
	White	Soft White	PLW-7C	20-40
	Purple	Purple	PLP-7	30-50
PL Series *	Light-Yellow	Yellow-Green	PLO-6B	45-65
			PLO-6C	20-40
			PLO-6D	10-15
			PLO-7B	45-65
			PLO-7C	20-40
			PLO-7D	10-15
			PLO-7E	5-10
			PLO-7F	2-5
		PLO-8C	20-40	
		Blue-Green	PLB-6B	45-65
			PLB-6C	20-40
			PLB-6D	10-15
			PLB-7B	45-65
			PLB-7C	20-40
PLB-7D	10-15			
PLB-7E	5-10			
R1 Series **	Red	Red	RR-7	20-50
	Orange	Orange	RO-7	20-50
	White	Red	REO-1	15-40
M Series *	Red	Orange-Red	PLR-4T	10-20
	Yellow	Yellow	PLY-4T	
	Green	Light-Green	PLG-4T	
	Blue	Light-Blue	PLB-4T	
S Series *	Light-White	Blue	SB-8B	45-60
	Light-White	Blue	SB-8C	20-40
	Light-White	Yellow-Green	S-4	20-40
SPM Series *	Yellow	Yellow	SPMY-4T	10-20
	Red	Red-Orange	SPMR-4T	
	Green	Light-Green	SPMG-4T	
	Blue	Light-Blue	SPMB-4T	
UV Series *	White	Blue	UVB-1	5-15
	Light-Green	Green	UVG-1	
	White	Yellow	UVY-1	
	White	Orange	UVO-1	
	White	Red	UVR-1	
	White	Purple	UVP-1	
R2 Series *	Salmon Pink	Salmon Pink	ROR-8	5-65
	Peach	Orange	RC-8	
	Cyan	Green	RI-8	
	Yellow	Citrine	RY-8	
	Green	Green	RG-8	
	Orange	Orange	RN-8	
Violet	Yellow-Green	RV-8		

\* **ENCAPSULATING**, is an additional service, a process by which each particle is encapsulated in a glass bead which allows pigments to be used in water based applications.

\*\* **R1 Series** pigments are excluded from the encapsulating process.

### CERAMIC GLAZE (GLOW) PIGMENTS

Model	Heat Resistant	Body Color	Glowing Color
FGO-WSP	temperature: 600		yellow-green
FGS-WSP	temperature: 800		sky blue
FGS-WSP	temperature: 1000		blue-green
ZGO-DSP	middle temperature		

### FAST CHARGE YELLOW-GREEN (GLOW) PIGMENTS

Model	Model
<b>FCZG-7:</b> Insoluble in: water, organic solvents Decomposition by : acids Appearance: Yellow-green Particle size: 20-40um Afterglow intensity after 0min: 4800mcd/m2	<b>FCPG-7:</b> Insoluble in: alkaline, organic solvents Decomposition by: acids Appearance: Yellow-green Particle size: 20-50um Afterglow intensity after 0min: 19600mcd/m2

### INFRARED (GLOW) PIGMENTS

INFRARED (GLOW) PIGMENTS			(under 980nm)	
Model	Appearance	Glow Color	Excitation	Average Size
IR-G-01	White	Green	980nm	10um
IR-R-01	White	Red	980nm	10um
IR-B-01	White	Blue	980nm	10um

### INORGANIC UV (ULTRAVIOLET) PIGMENTS

Model	Colors
YD-X10	Lemon Yellow
YD-X11	Pink
YD-X12	Cerise
YD-X13	Red
YD-X14	Red Orange
YD-X15	Orange
YD-X16	Orange Yellow
YD-X17	Strong Yellow
YD-X18	Green
YD-X19	Blue
YD-X20	Violet
YD-X21	Magenta

Technical Data:

Specific Gravity .....	1.36
Average Particle Size .....	≤15um
Softening Point .....	115°C-125°C
Decomposition Temperature .....	>200°C
Oil Absorption .....	56g Oil/100g Pigment

### PHOTOCHROMIC PIGMENTS

Model	Color	Size
MC-1	Purple	2 - 7um
MC-2	Red	2 - 7um
MC-3	Blue	2 - 7um
MC-4	Sky Blue	2 - 7um
MC-5	Green	2 - 7um
MC-6	Orange	2 - 7um
MC-7	Yellow	2 - 7um

### REFLECTIVE PIGMENTS

Model	Color	Particle Size
RPW-1	White	200 - 400mesh
RPG-1	Gray	200 - 400mesh
Refractive index ..... $\geq 2.2$ Rate of opacity ..... $\leq 1\%$ Rate of the whole roundness ..... $\geq 95\%$ . Retro-reflective		
Product characteristics .....	Good fluidity, pure color, high transparency, high temperature, high level of antioxidant, good reflective effect.	
Reflective powder application .....	Reflective ink, reflective paint, traffic signs, reflective materials, reflective fabric, reflective film, reflective coatings, reflective signs, advertising materials, clothing materials, the standard field runway, shoes, hats, bags, life-saving supplies and so on.	

### THERMOCHROMIC PIGMENTS

Model	Color	Pantone Number	Activation Temperatures
TP-446C	Black	446C	5C; 16C; 31C; 45C; 65C
TP-5C	Black	5C	5C; 16C; 31C; 45C; 65C
TP-1935C	Red	1935C	5C; 16C; 31C; 45C; 65C
TP-032C	Red	032C	5C; 16C; 31C; 45C; 65C
TP-234C	Rose	234C	5C; 16C; 31C; 45C; 65C
TP-072C	Dark Blue	072C	5C; 16C; 31C; 45C; 65C
TP-301C	Marine Blue	301C	5C; 16C; 31C; 45C; 65C
TP-3275C	Grass Green	3275C	5C; 16C; 31C; 45C; 65C
TP-350C	Blackish Green	350C	5C; 16C; 31C; 45C; 65C
TP-321C	Malachite Green	321C	5C; 16C; 31C; 45C; 65C
TP-343C	Green	343C	5C; 16C; 31C; 45C; 65C
TP-171C	Orange	171C	5C; 16C; 31C; 45C; 65C
TP-102C	Yellow	102C	5C; 16C; 31C; 45C; 65C
TP-136C	Yellow	136C	5C; 16C; 31C; 45C; 65C
TP-213C	Peach	213C	5C; 16C; 31C; 45C; 65C