



Pearlescent Pigments

Natural Mica Based & Glass Based
for Industrial Applications

CHESIR



“PEARLESCENT PIGMENTS INNOVATOR FROM CHINA”

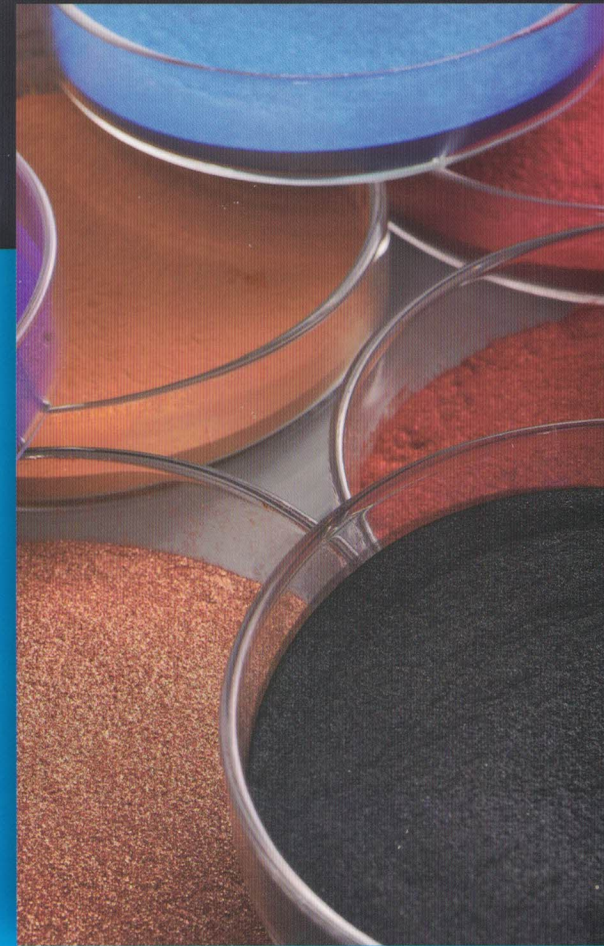
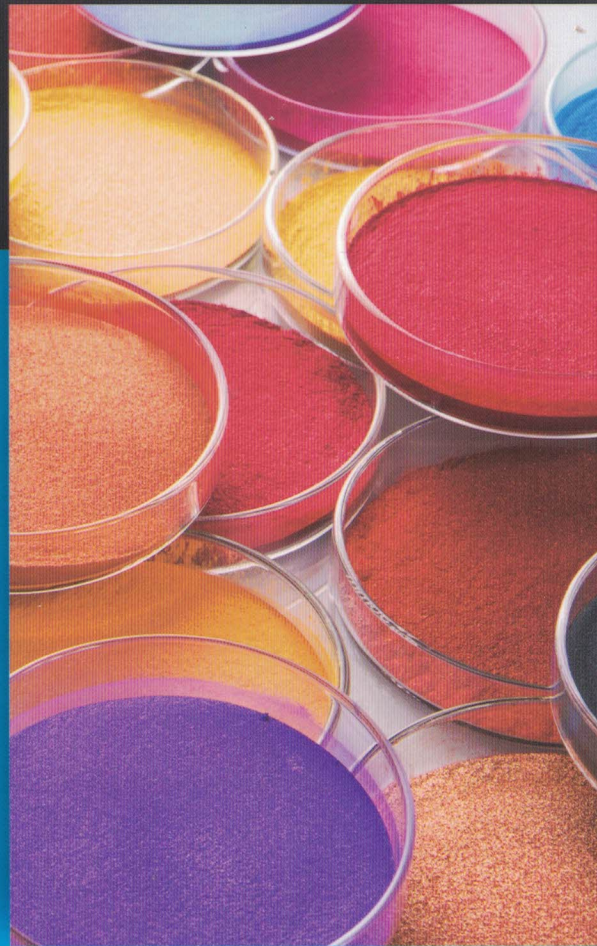
About Chesir

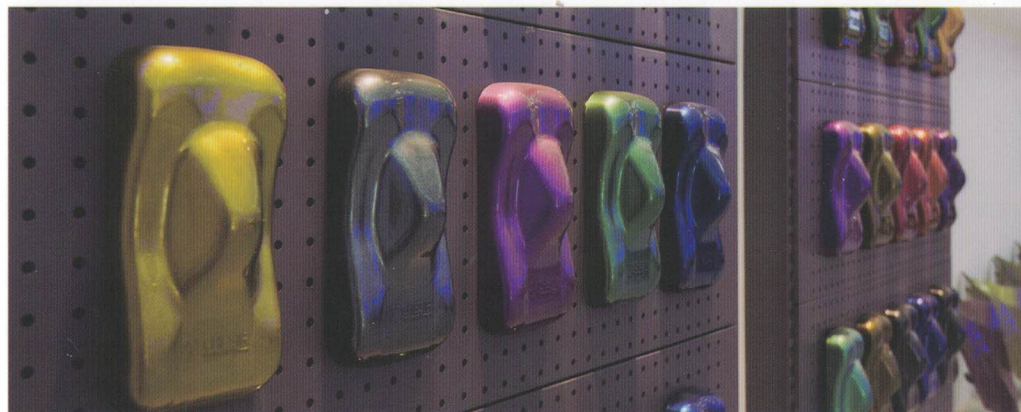
Chesir is a leading international manufacturer of pearlescent pigments for the paints and coatings industry, the printing industry, the plastics and the cosmetics industry. Provide high quality products, product development, formulating support and the technical training services, create high added value for customers.



Established in 2011 and been listed on NEEQ in 2015 (stock code: 832080), now Chesir is one of the leading company of global market and technology in the pearlescent pigments industry. With the annal capacity of 10,000mt pearlescent pigments and 5,000mt of synthetic mica, also an implemented and certified quality management based on the ISO9001, MES (Manufacturing Execution System) and SPC (Statistical Process Control), ensures that Chesir pearlescent pigments among the best in the market.

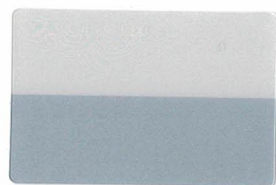
Focus on innovation and sustainability, Chesir applied 5 patents on the processing technology of pearlescent pigments, bring fascinating colors to our customers and reduce the energy consumption in the mean time. With comprehensive investments in research and development, Chesir is constantly extending it's leading position as an innovator and reliable partner.





Chesir Natural Mica Pearlescent Pigments is made from natural mica powder coated with titanium dioxide, ferric oxide and other metal oxide. It presents rainbow color based on the multiple reflection and refraction of light shining at the surface. It shows a variety of interference color according to the thickness of titanium dioxide or other metal oxide, giving a far-reaching, three-dimension and soft silky feeling, and being good at brilliant color design. It features in great pearl effect, low density, non-conductive, non-magnetic, non-toxic, and good chemical stability to light, heat, weather, acid and alkali. Thanks to the great chemical parameters and take environment-friendship into consideration, Chesir natural mica pearlescent pigment is widely applied to paints, powder coating, plastic, leather, industrial coating, ink and son on.

	Color	Particle Size Distribution Approx.(µm)	Composition (%)			
			Mica	Titanium Dioxide	Iron Oxide	Tin Oxide
			CAS:12001-26-2	CAS:13463-67-7	CAS:1309-37-1	CAS:18282-10-5
Silver White Pigments						
QC108	Fine Satin Silver	1 - 10	54 - 62	38 - 46	-	-
QC110-1	Fine Silver	1 - 15	57 - 65	35 - 43	-	-
QC119	Rutile Soft Silver	4 - 20	55 - 63	37 - 45	-	< 1
QC120	Satin Silver	5 - 25	57 - 65	35 - 43	-	-
QC2000	Silver White	5 - 25	60 - 70	30 - 40	-	-
QC173	Soft Silver	10 - 40	67 - 77	23 - 31	-	-
QC100	Pearl White	10 - 60	70 - 78	22 - 30	-	-
QC103	Rutile Pearl White	10 - 60	68 - 76	24 - 32	-	< 1
QC101	Bright Silver	10 - 70	72 - 80	20 - 28	-	-
QC150	Extra Bright Silver	30 - 70	76 - 84	16 - 24	-	-
QC151	Shinning Silver	10 - 100	76 - 84	16 - 24	-	< 1
QC153	Sparkling Silver	20 - 100	81 - 89	11 - 19	-	< 1
QC163	Glittering Silver	40 - 160	82 - 90	10 - 18	-	-
QC183	Twinkling Silver	60 - 300	88 - 97	3 - 12	-	-



QC108 1 - 10 μm



QC110-1 1 - 15 μm



QC119 4 - 20 μm



QC120 5 - 25 μm



QC2000 5 - 25 μm



QC173 10 - 40 μm



QC100 10 - 60 μm



QC103 10 - 60 μm



QC101 10 - 70 μm



QC150 30 - 70 μm



QC151 10 - 100 μm



QC153 20 - 100 μm

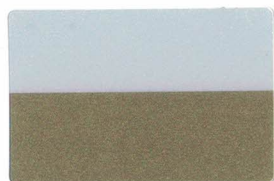


QC163 40 - 160 μm



QC183 60 - 300 μm

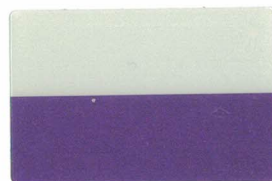
	Color	Particle Size Distribution Approx.(µm)	Composition (%)			
			Mica CAS:12001-26-2	Titanium Dioxide CAS:13463-67-7	Iron Oxide CAS:1309-37-1	Tin Oxide CAS:18282-10-5
Interference Pigments						
QC201	Satin Gold	5 - 25	45 - 53	47 - 55	-	< 1
QC211	Satin Red	5 - 25	42 - 50	50 - 58	-	< 1
QC223	Satin Purple	5 - 25	41 - 49	51 - 59	-	< 1
QC221	Satin Blue	5 - 25	40 - 48	52 - 60	-	< 1
QC231	Satin Green	5 - 25	32 - 40	60 - 68	-	< 1
QC205	Pearl Gold	10 - 60	53 - 61	39 - 47	-	< 1
QC205A	Platinum	10 - 60	49 - 63	37 - 45	1 - 6	< 1
QC215	Pearl Red	10 - 60	50 - 58	42 - 50	-	< 1
QC217	Pearl Deep Red	10 - 60	52 - 60	40 - 48	-	< 1
QC218	Pearl Bright Red	10 - 60	48 - 56	44 - 52	-	< 1
QC219	Pearl Violet	10 - 60	47 - 55	45 - 53	-	< 1
QC224	Pearl Fuchsia	10 - 60	40 - 52	48 - 56	-	< 1
QC225	Pearl Blue	10 - 60	47 - 55	45 - 53	-	< 1
QC235	Pearl Green	10 - 60	44 - 52	48 - 56	-	< 1
QC249	Sparkling Gold	10 - 100	62 - 70	30 - 38	-	< 1
QC259	Sparkling Red	10 - 100	62 - 71	29 - 38	-	< 1
QC269	Sparkling Violet	10 - 100	60 - 69	31 - 40	-	< 1
QC289	Sparkling Blue	10 - 100	57 - 67	33 - 43	-	< 1
QC299	Sparkling Green	10 - 100	54 - 64	36 - 46	-	< 1



QC201 5 - 25 μm



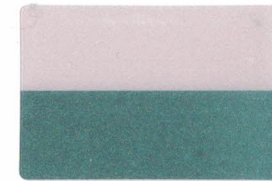
QC211 5 - 25 μm



QC223 5 - 25 μm



QC221 5 - 25 μm



QC231 5 - 25 μm



QC205 10 - 60 μm



QC205A 10 - 60 μm



QC215 10 - 60 μm



QC217 10 - 60 μm



QC218 10 - 60 μm



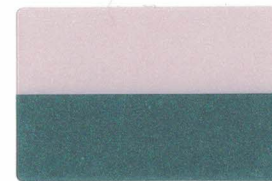
QC219 10 - 60 μm



QC224 10 - 60 μm



QC225 10 - 60 μm



QC235 10 - 60 μm



QC249 10 - 100 μm



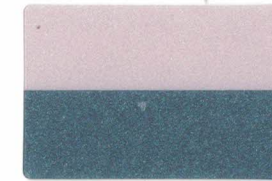
QC259 10 - 100 μm



QC269 10 - 100 μm



QC289 10 - 100 μm



QC299 10 - 100 μm

	Color	Particle Size Distribution Approx.(µm)	Composition (%)			
			Mica CAS:12001-26-2	Titanium Dioxide CAS:13463-67-7	Iron Oxide CAS:1309-37-1	Tin Oxide CAS:18282-10-5
Gold Pigments						
QC302	Gold Satin	5 - 25	37 - 53	42 - 50	5 - 13	-
QC323	Royal Gold Satin	5 - 25	43 - 59	28 - 36	13 - 21	< 1
QC319	Soft Red Gold	10 - 40	47 - 63	21 - 29	16 - 24	< 1
QC300	Gold	10 - 60	38 - 56	32 - 42	12 - 20	-
QC303	Royal Gold	10 - 60	46 - 62	21 - 29	17 - 25	< 1
QC304	Maya Gold	10 - 60	46 - 66	20 - 30	14 - 24	-
QC305	Aztec Gold	10 - 60	46 - 62	24 - 32	14 - 22	< 1
QC3305	Sun Gold	10 - 60	29 - 45	50 - 58	5 - 13	< 1
QC306	Olympic Gold	10 - 60	47 - 63	32 - 40	5 - 13	-
QC309	Red Gold	10 - 60	45 - 61	23 - 31	16 - 24	< 1
QC310	Yellow Gold	10 - 60	45 - 65	32 - 42	3 - 13	-
QC320	Lemon Gold	10 - 60	41 - 61	36 - 46	3 - 13	-
QC307	Green Gold	10 - 70	46 - 62	33 - 41	5 - 13	-
QC351	Sparkling Lemon Gold	10 - 100	57 - 70	26 - 34	4 - 12	-
QC353	Sparkling Red Gold	20 - 100	54 - 70	26 - 34	4 - 12	< 1
QC355	Sparkling Yellow Gold	20 - 100	55 - 71	19 - 27	10 - 18	< 1



QC302 5 - 25 μm



QC323 5 - 25 μm



QC319 10 - 40 μm



QC300 10 - 60 μm



QC303 10 - 60 μm



QC304 10 - 60 μm



QC305 10 - 60 μm



QC3305 10 - 60 μm



QC306 10 - 60 μm



QC309 10 - 60 μm



QC310 10 - 60 μm



QC320 10 - 60 μm



QC307 10 - 70 μm



QC351 10 - 100 μm



QC353 20 - 100 μm



QC355 20 - 100 μm

		Color	Particle Size Distribution Approx.(µm)	Composition (%)			
				Mica CAS:12001-26-2			
Metallic Pigments							
QC520		Silk Bronze	5 - 25	55 - 63	-	37 - 45	-
QC522		Silk Copper	5 - 25	49 - 57	-	43 - 51	-
QC524		Silk Wine Red	5 - 25	45 - 53	-	47 - 55	-
QC525		Silk Mauve	5 - 25	45 - 55	-	45 - 55	-
QC500		Bronze	10 - 60	61 - 69	-	31 - 39	-
QC502		Copper	10 - 60	53 - 61	-	39 - 47	-
QC503		Russet	10 - 60	55 - 63	-	37 - 45	-
QC504		Wine Red	10 - 60	52 - 60	-	40 - 48	-
QC505		Mauve	10 - 60	53 - 61	-	39 - 47	-
QC508		Ruby Red	10 - 60	51 - 59	-	41 - 49	-
QC509		Green Brown	10 - 60	42 - 52	-	48 - 58	-
QC510		Coffee	10 - 60	44 - 54	-	46 - 56	-
QC530		Bright Bronze	10 - 100	67 - 75	-	25 - 33	-
QC532		Bright Russet	10 - 100	61 - 69	-	31 - 39	-
QC534		Bright Wine Red	10 - 100	59 - 67	-	33 - 41	-
QC535		Bright Mauve	10 - 100	58 - 66	-	34 - 42	-



QC520 5 - 25 μm



QC522 5 - 25 μm



QC524 5 - 25 μm



QC525 5 - 25 μm



QC500 10 - 60 μm



QC502 10 - 60 μm



QC503 10 - 60 μm



QC504 10 - 60 μm



QC505 10 - 60 μm



QC508 10 - 60 μm



QC509 10 - 60 μm



QC510 10 - 60 μm



QC530 10 - 100 μm



QC532 10 - 100 μm



QC534 10 - 100 μm



QC535 10 - 100 μm

Color		Particle Size Distribution Approx.(µm)
Colorant Pearl Pigments		
QC401	Silver Grey	10 - 60
QC402	Silver Black	10 - 60
QC408	Grass	10 - 60
QC410	Copper Brown	10 - 60
QC411	Copper Gold	10 - 60
QC416	Turquoise	10 - 60
QC418	Solid Violet	10 - 60
QC420	Fantasy Purple	10 - 60
QC421	Fantasy Yellow	10 - 60
QC422	Solid Purple	10 - 60
QC423	Fantasy Violet	10 - 60
QC425	Deep Blue	10 - 60
QC427	Sapphire	10 - 60
QC428	Rose	10 - 60
QC435	Apple Green	10 - 60
QC4600	Lake Blue	10 - 60
QC4609	Orange	10 - 60



QC401 10 - 60 μm



QC402 10 - 60 μm



QC408 10 - 60 μm



QC410 10 - 60 μm



QC411 10 - 60 μm



QC416 10 - 60 μm



QC418 10 - 60 μm



QC420 10 - 60 μm



QC421 10 - 60 μm



QC422 10 - 60 μm



QC423 10 - 60 μm



QC425 10 - 60 μm



QC427 10 - 60 μm



QC428 10 - 60 μm



QC435 10 - 60 μm



QC4600 10 - 60 μm



QC4609 10 - 60 μm

ChesDiamond[®]

Chesir Diamond Pearlescent Pigments is made from high transparent crystal coated with titanium dioxide and other metal oxide, offers a spectrum ranging from white, gold, red, purple, blue, and green, according to different thickness of coating. It gives end users a totally new world of color, with fresh, flashing, shining optical dimension and wonderful hue; It is a perfect combination of color and light, producing an extremely impressive visual impact with high transparency, high refraction, smooth later structure, and distinctive color performance.

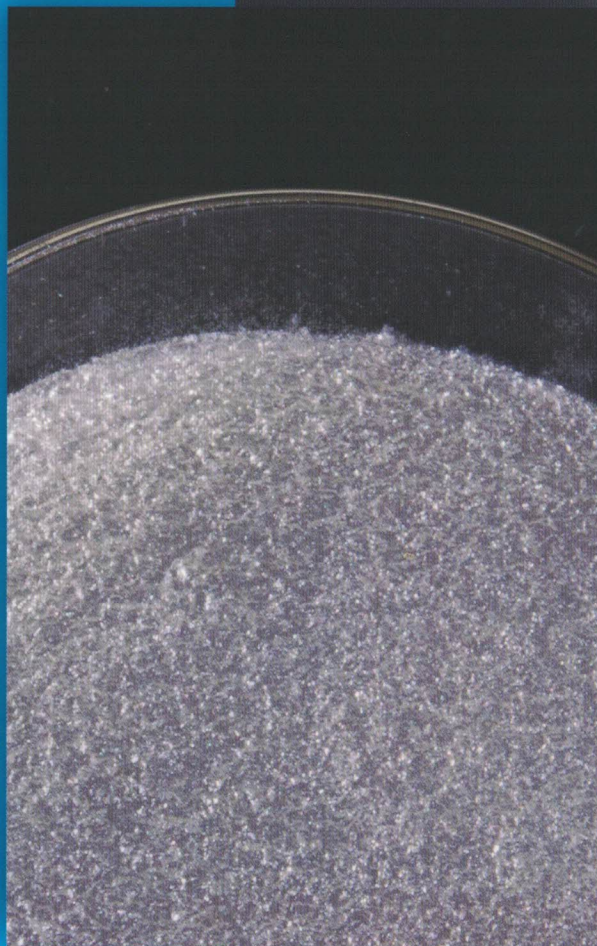
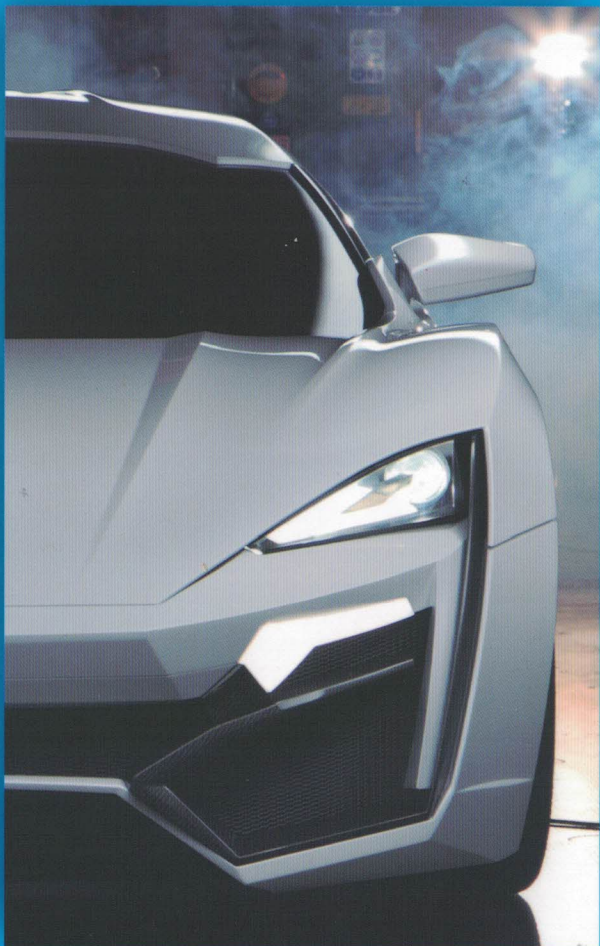
Color Travel Pigments

Chesir Color Travel Pigments is made from special glass flake coated with precisely controlled layers of metal oxides.

We carefully choose the 1.2micron thickness glass flakes from GF UK, with the extraordinary radius thickness ratio of substrate, color travel pigments gives marvelous color travel effects from different angles.

Color travel pigments is widely used in decoration paintings and packaging printing, especially the automotive coatings.

Besides these, we also carefully control the heavy metal contents of these pigments, which enable them to be used in cosmetics.



	Color	Particle Size Distribution Approx.(µm)	Composition (%)			
			Borosilicate CAS:65997-17-3	Titanium Dioxide CAS:13463-67-7	Iron Oxide CAS:1309-37-1	Tin Oxide CAS:18282-10-5
Diamond Pigments						
QC7205	Diamond Gold	25 - 100	80 - 90	10 - 20	-	< 1
QC7215	Diamond Red	25 - 100	77 - 87	13 - 23	-	< 1
QC7219	Diamond Violet	25 - 100	76 - 86	14 - 24	-	< 1
QC7225	Diamond Blue	25 - 100	75 - 85	15 - 25	-	< 1
QC7235	Diamond Green	25 - 100	71 - 81	19 - 29	-	< 1
QC7500	Sparkling Silver	50 - 200	86 - 96	4 - 14	-	< 1
QC7505	Sparkling Gold	50 - 200	80 - 90	10 - 20	-	< 1
QC7515	Sparkling Red	50 - 200	78 - 88	12 - 22	-	< 1
QC7519	Sparkling Violet	50 - 200	75 - 85	15 - 25	-	< 1
QC7525	Sparkling Blue	50 - 200	73 - 83	17 - 27	-	< 1
QC7535	Sparkling Green	50 - 200	70 - 80	20 - 30	-	< 1
QC7600	Glittering Silver	100 - 500	94 - 99	1 - 6	-	< 1
QC7605	Glittering Gold	100 - 500	93 - 98	2 - 7	-	< 1
QC7615	Glittering Red	100 - 500	91 - 97	3 - 9	-	< 1
QC7619	Glittering Violet	100 - 500	90 - 96	4 - 10	-	< 1
QC7625	Glittering Blue	100 - 500	88 - 95	5 - 12	-	< 1
QC7635	Glittering Green	100 - 500	85 - 95	5 - 15	-	< 1



QC7205 25 - 100 μm



QC7215 25 - 100 μm



QC7219 25 - 100 μm



QC7225 25 - 100 μm



QC7235 25 - 100 μm



QC7500 50 - 200 μm



QC7505 50 - 200 μm



QC7515 50 - 200 μm



QC7519 50 - 200 μm



QC7525 50 - 200 μm



QC7535 50 - 200 μm



QC7600 100 - 500 μm



QC7605 100 - 500 μm



QC7615 100 - 500 μm



QC7619 100 - 500 μm



QC7625 100 - 500 μm



QC7635 100 - 500 μm

Color Travel Pigments

	Color	Particle Size Distribution Approx.(µm)	Composition (%)			
			Borosilicate CAS:65997-17-3	Titanium Dioxide CAS:13463-67-7	Iron Oxide CAS:1309-37-1	Tin Oxide CAS:18282-10-5
Color Travel Pigments						
QC7305L	Gold - Red - Violet	40 - 160	80 - 90	10 - 18	-	< 2
QC7315L	Red - Violet - Blue	40 - 160	79 - 91	9 - 19	-	< 2
QC7319L	Violet - Blue - Green	40 - 160	83 - 95	5 - 15	-	< 2
QC7325L	Blue - Green - Gold	40 - 160	85 - 98	3 - 13	-	< 2
QC7505L	Gold - Red - Violet	50 - 200	84 - 94	6 - 14	-	< 2
QC7515L	Red - Violet - Blue	50 - 200	79 - 89	11 - 19	-	< 2
QC7519L	Violet - Blue - Green	50 - 200	78 - 90	10 - 20	-	< 2
QC7525L	Blue - Green - Gold	50 - 200	82 - 92	8 - 16	-	< 2



QC7305L 40 - 160 μm



QC7315L 40 - 160 μm



QC7319L 40 - 160 μm



QC7325L 40 - 160 μm



QC7505L 50 - 200 μm



QC7515L 50 - 200 μm



QC7519L 50 - 200 μm



QC7525L 50 - 200 μm



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