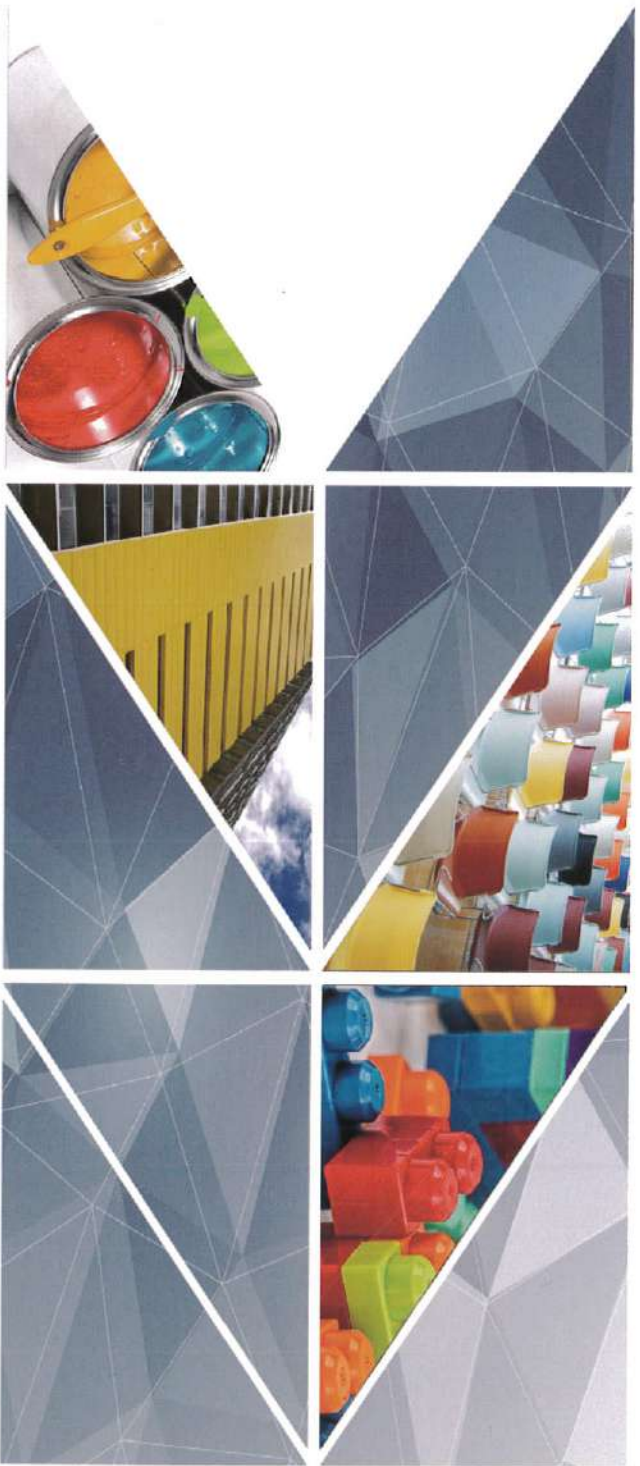




ChesCrystal[®]

Synthetic Mica Based Pearlescent Pigments






CHESIR

广西七色珠光材料股份有限公司
GUANGXI CHESIR PEARL MATERIAL CO.,LTD






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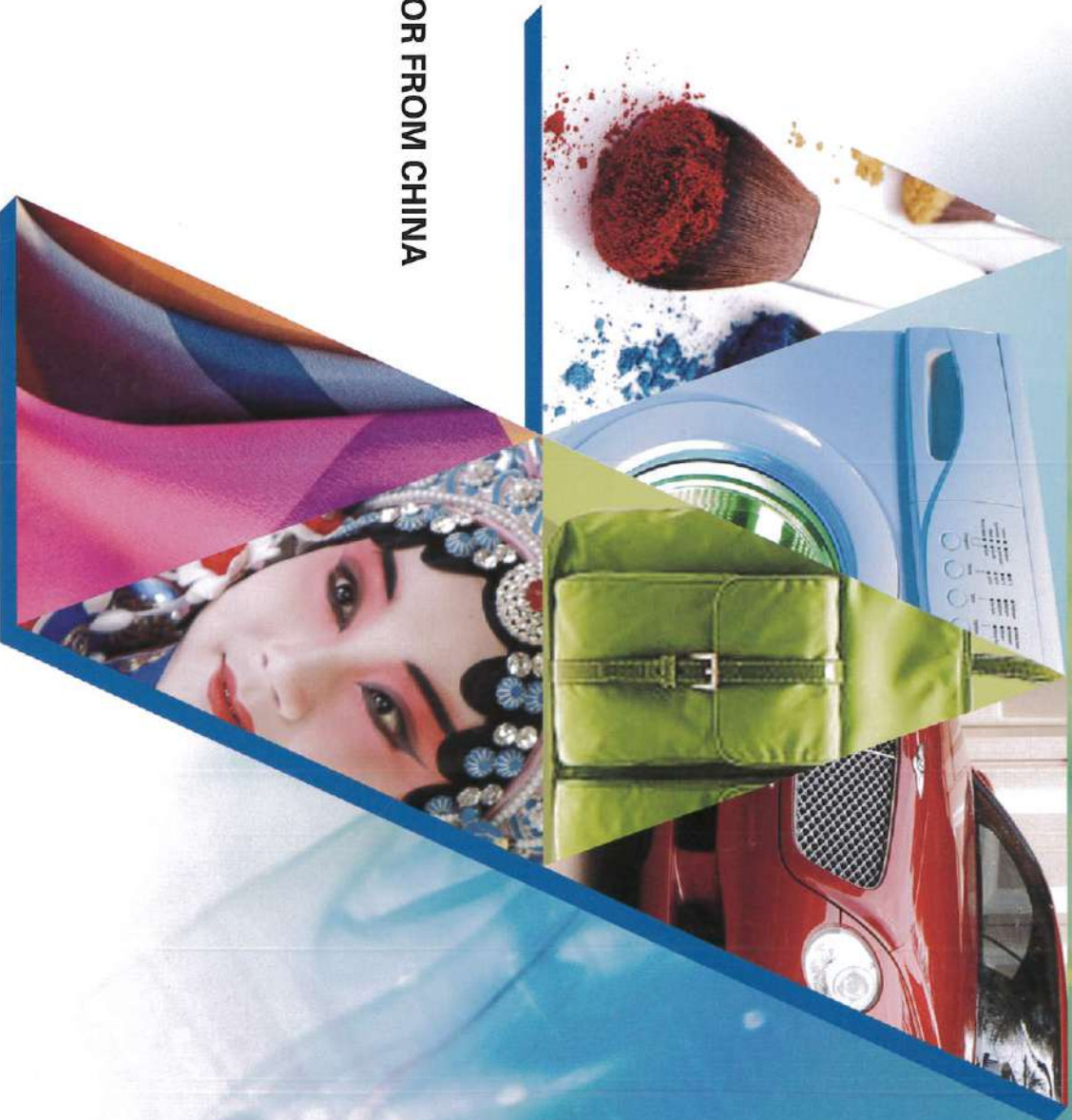


About Chesir

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 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 annual capacity of 10,000 mt pearlescent pigments and 5,000 mt synthetic mica, also an implemented and certified quality management based on the ISO 9001, 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 its leading position as an innovator and reliable partner.



PEARLESCENT PIGMENTS INNOVATOR FROM CHINA



ChesCrystal

Synthetic Mica Based Pearlescent Pigments

Applications: - plastics - coatings - inks

Resulting from reflected, refracted and transmitted light patterns developed at the multiple interfaces between the layers, ChesCrystal pearlescent pigments provide unsurpassed performance in brightness and color from white to earth tone effects. Reflective effects from mat softness to glittering reflection can be obtained by a choice of different particle sizes. The total range contains over 120 products.

The product range includes the following types:

- Crystal silver white pearlescent pigments;
- Crystal interference pearlescent pigments;
- Crystal gold pearlescent pigments;
- Crystal metallic pearlescent pigments.

ChesCrystal pearlescent pigments are able to create an infinite range of visual effects that capture your eye and give unrivalled elegance to any finished product.

Silver White Pigments	Particle Size Distribution	D50	Content (%)			
	approx. (µm)	approx. (µm)	Synthetic Mica CAS:12003-38-2	Titanium Dioxide CAS:13463-67-7	Iron Oxide CAS:1309-37-1	Tin Oxide CAS:18282-10-5
QC6108	1 - 10	6	58 - 70	30 - 42	-	< 1
QC6110	1 - 15	8.5	58 - 68	32 - 42	-	< 1
QC6120	5 - 25	10.5	62 - 70	30 - 38	-	< 1
QC6000	10 - 30	14	70 - 80	20 - 30	-	< 1
QC6200	10 - 40	18.5	67 - 77	23 - 33	-	< 1
QC6300	10 - 60	22.5	73 - 82	18 - 28	-	< 1
QC6150	20 - 80	32	80 - 88	12 - 20	-	< 1
QC6400	25 - 100	48	78 - 88	12 - 22	-	< 1
QC6161	30 - 120	59.5	83 - 93	7 - 17	-	< 1
QC6500	40 - 160	75	85 - 95	5 - 15	-	< 1
QC6600	50 - 250	105	86 - 96	4 - 14	-	< 1
QC6183	60 - 300	150	87 - 97	3 - 13	-	< 1
QC6800	100 - 700	300	90 - 96	4 - 10	-	< 1
QC6900	100 - 1000	380	91 - 96	4 - 9	-	< 1
QC6199	150 - 2000	445	92 - 97	3 - 8	-	< 1



QC6108 1 - 10 μm



QC6110 1 - 15 μm



QC6120 5 - 25 μm



QC6000 10 - 30 μm



QC6200 10 - 40 μm



QC6300 10 - 60 μm



QC6150 20 - 80 μm



QC6400 25 - 100 μm



QC6161 30 - 120 μm



QC6500 40 - 160 μm



QC6600 50 - 250 μm



QC6183 60 - 300 μm



QC6800 100 - 700 μm



QC6900 100 - 1000 μm



QC6199 150 - 2000 μm

	Particle Size Distribution approx.(µm)	D50 approx.(µm)	Content (%)			
Interference Gold Pigments						
QC6L05	1 - 10	6	42 - 52	48 - 58	-	< 1
QC6M05	1 - 15	8.5	44 - 54	46 - 56	-	< 1
QC6X05	5 - 25	11.5	42 - 52	48 - 58	-	< 1
QC6005	10 - 30	14	53 - 63	37 - 47	-	< 1
QC6205	10 - 40	18.5	48 - 58	42 - 52	-	< 1
QC6305	10 - 60	22.5	53 - 63	37 - 47	-	< 1
QC6405	25 - 100	48	67 - 77	23 - 33	-	< 1
QC6505	40 - 160	75	73 - 83	17 - 27	-	< 1
QC6605	50 - 250	105	79 - 89	11 - 21	-	< 1
QC6805	100 - 700	300	86 - 96	4 - 14	-	< 1
Interference Red Pigments						
QC6L15	1 - 10	6	58 - 68	32 - 42	-	< 1
QC6M15	1 - 15	8.5	58 - 68	32 - 42	-	< 1
QC6X15	5 - 25	11.5	38 - 48	52 - 62	-	< 1
QC6015	10 - 30	14	43 - 54	46 - 57	-	< 1
QC6215	10 - 40	18.5	45 - 55	45 - 55	-	< 1
QC6315	10 - 60	22.5	52 - 62	38 - 48	-	< 1
QC6415	25 - 100	48	63 - 73	27 - 37	-	< 1
QC6515	40 - 160	75	69 - 79	21 - 31	-	< 1
QC6615	50 - 250	105	73 - 83	17 - 27	-	< 1
QC6815	100 - 700	300	83 - 93	7 - 17	-	< 1



QC6L05 1 - 10 μm



QC6M05 1 - 15 μm



QC6X05 5 - 25 μm



QC6O05 10 - 30 μm



QC6Z05 10 - 40 μm



QC6305 10 - 60 μm



QC6405 25 - 100 μm



QC6505 40 - 160 μm



QC6605 50 - 250 μm



QC6805 100 - 700 μm



QC6L15 1 - 10 μm



QC6M15 1 - 15 μm



QC6X15 5 - 25 μm



QC6O15 10 - 30 μm



QC6Z15 10 - 40 μm



QC6315 10 - 60 μm



QC6415 25 - 100 μm



QC6515 40 - 160 μm



QC6615 50 - 250 μm



QC6815 100 - 700 μm

	Particle Size Distribution approx. (µm)	D50 approx. (µm)	Content (%)			
Interference Violet Pigments						
QC6L19	1 - 10	6	33 - 43	57 - 67	-	< 1
QC6M19	1 - 15	8.5	35 - 45	55 - 65	-	< 1
QC6X19	5 - 25	11.5	35 - 45	55 - 65	-	< 1
QC6019	10 - 30	14	41 - 51	49 - 59	-	< 1
QC6219	10 - 40	18.5	44 - 54	46 - 56	-	< 1
QC6319	10 - 60	22.5	44 - 55	45 - 56	-	< 1
QC6419	25 - 100	48	59 - 69	31 - 41	-	< 1
QC6519	40 - 160	75	66 - 76	24 - 34	-	< 1
QC6619	50 - 250	105	73 - 83	17 - 27	-	< 1
QC6819	100 - 700	300	82 - 92	8 - 18	-	< 1
Interference Blue Pigments						
QC6L25	1 - 10	6	30 - 40	60 - 70	-	< 1
QC6M25	1 - 15	8.5	30 - 40	60 - 70	-	< 1
QC6X25	5 - 25	11.5	35 - 46	54 - 64	-	< 1
QC6025	10 - 30	14	37 - 77	53 - 63	-	< 1
QC6225	10 - 40	18.5	40 - 50	50 - 60	-	< 1
QC6325	10 - 60	22.5	45 - 56	44 - 55	-	< 1
QC6425	25 - 100	48	59 - 69	31 - 41	-	< 1
QC6525	40 - 160	75	65 - 75	25 - 63	-	< 1
QC6625	50 - 250	105	73 - 83	17 - 27	-	< 1
QC6825	100 - 700	300	80 - 90	10 - 20	-	< 1



QC6L19 1 - 10 µm



QC6M19 1 - 15 µm



QC6X19 5 - 25 µm



QC6O19 10 - 30 µm



QC6219 10 - 40 µm



QC6319 10 - 60 µm



QC6419 25 - 100 µm



QC6519 40 - 160 µm



QC6619 50 - 250 µm



QC6819 100 - 700 µm



QC6L25 1 - 10 µm



QC6M25 1 - 15 µm



QC6X25 5 - 25 µm



QC6O25 10 - 30 µm



QC6225 10 - 40 µm



QC6325 10 - 60 µm



QC6425 25 - 100 µm



QC6525 40 - 160 µm



QC6625 50 - 250 µm



QC6825 100 - 700 µm

	Particle Size Distribution approx. (µm)	D50 approx. (µm)	Content (%)			
Interference Green Pigments						
QC6L35	1 - 10	6	28 - 38	62 - 72	-	< 1
QC6M35	1 - 15	8.5	38 - 48	52 - 62	-	< 1
QC6X35	5 - 25	11.5	31 - 41	59 - 69	-	< 1
QC6O35	10 - 30	14	46 - 56	44 - 54	-	< 1
QC6Z35	10 - 40	18.5	67 - 77	51 - 61	-	< 1
QC6S35	10 - 60	22.5	37 - 48	52 - 63	-	< 1
QC6A35	25 - 100	48	55 - 65	35 - 45	-	< 1
QC6S35	40 - 160	75	60 - 70	30 - 40	-	< 1
QC6E35	50 - 250	105	59 - 69	31 - 41	-	< 1
QC6R35	100 - 700	300	79 - 89	11 - 21	-	< 1



QC6L35 1 - 10 μm



QC6M35 1 - 15 μm



QC6X35 5 - 25 μm



QC6O35 10 - 30 μm



QC6Z35 10 - 40 μm



QC6335 10 - 60 μm



QC6435 20 - 100 μm



QC6535 40 - 160 μm



QC6635 50 - 250 μm



QC6835 100 - 700 μm

	Particle Size Distribution approx. (µm)	D50 approx. (µm)	Content (%)			
Yellow Gold Pigments						
QC6M36	1 - 15	8.5	38 - 54	43 - 53	3 - 8	< 1
QC6X36	5 - 25	11.5	37 - 57	40 - 50	3 - 13	-
QC6036	10 - 30	14	43 - 61	37 - 47	2 - 10	-
QC6236	10 - 40	18.5	48 - 65	34 - 44	1 - 8	< 1
QC6336	10 - 60	22.5	48 - 66	32 - 42	2 - 10	-
QC6436	25 - 100	48	59 - 77	20 - 30	3 - 11	-
QC6536	40 - 160	75	63 - 83	16 - 26	1 - 11	-
QC6636	50 - 250	105	68 - 87	12 - 22	1 - 10	-
QC6836	100 - 700	300	79 - 93	5 - 15	2 - 5	< 1
Red Gold Pigments						
QC6X23	5 - 25	11.5	37 - 55	30 - 40	15 - 22	< 1
QC6023	10 - 30	14	43 - 63	31 - 41	6 - 16	-
QC6223	10 - 40	18.5	44 - 64	31 - 41	5 - 15	-
QC6323	10 - 60	22.5	45 - 65	30 - 40	5 - 15	-
QC6423	25 - 100	48	59 - 79	15 - 25	6 - 16	-
QC6523	40 - 160	75	63 - 83	13 - 23	4 - 14	-
QC6623	50 - 250	105	70 - 90	9 - 19	1 - 11	-



QC6M36 1 - 15 µm



QC6X36 5 - 25 µm



QC6036 10 - 30 µm



QC6236 10 - 40 µm



QC6336 10 - 60 µm



QC6436 25 - 100 µm



QC6536 40 - 160 µm



QC6636 50 - 250 µm



QC6836 100 - 700 µm



QC6X23 5 - 25 µm



QC6023 10 - 30 µm



QC6223 10 - 40 µm



QC6323 10 - 60 µm



QC6423 25 - 100 µm



QC6523 40 - 160 µm



QC6623 50 - 250 µm

	Particle Size Distribution approx. (µm)	D50 approx. (µm)	Content (%)				
Deep Gold Pigments							
QC60305	10 - 30	14	22 - 42	54 - 64	4 - 14	< 1	
QC62305	10 - 40	18.5	19 - 40	50 - 60	10 - 20	< 1	
QC63305	10 - 60	22.5	33 - 53	44 - 54	3 - 13	< 1	
QC64305	25 - 100	48	42 - 62	36 - 46	2 - 12	< 1	
QC65305	40 - 160	75	46 - 66	32 - 42	2 - 12	< 1	
QC66305	50 - 250	105	65 - 80	19 - 29	1 - 5	< 1	
			Synthetic Mica CAS:12003-38-2	Titanium Dioxide CAS:13463-67-7	Iron Oxide CAS:1309-37-1	Tin Oxide CAS:18282-10-5	



QC660305 10 - 30 μm



QC662305 10 - 40 μm



QC663305 10 - 60 μm



QC664305 25 - 100 μm



QC665305 40 - 160 μm



QC666305 50 - 250 μm

	Particle Size Distribution approx. (µm)	D50 approx. (µm)	Content (%)			
Metallic Bronze Pigments						
QC6M50	1 - 15	6	57 - 67	-	33 - 43	-
QC6X50	5 - 25	11.5	66 - 76	-	24 - 34	-
QC6O50	10 - 30	14	56 - 66	-	34 - 44	-
QC6250	10 - 40	18.5	57 - 67	-	33 - 43	-
QC6350	10 - 60	22.5	72 - 83	-	17 - 28	-
QC6450	25 - 100	48	73 - 83	-	17 - 27	-
QC6550	40 - 160	75	75 - 85	-	15 - 25	-
QC6650	50 - 250	105	82 - 92	-	8 - 18	-
Metallic Copper Pigments						
QC6M52	1 - 15	8.5	44 - 54	-	46 - 56	-
QC6X52	5 - 25	11.5	52 - 62	-	38 - 48	-
QC6O52	10 - 30	14	51 - 61	-	39 - 49	-
QC6252	10 - 40	18.5	50 - 60	-	40 - 50	-
QC6352	10 - 60	22.5	50 - 60	-	40 - 50	-
QC6452	25 - 100	48	63 - 73	-	27 - 37	-
QC6552	40 - 160	75	70 - 80	-	20 - 30	-
QC6652	50 - 250	105	78 - 88	-	12 - 22	-



QC6M50 1 - 15 µm



QC6X50 5 - 25 µm



QC6050 10 - 30 µm



QC6250 10 - 40 µm



QC6350 10 - 60 µm



QC6450 25 - 100 µm



QC6550 40 - 160 µm



QC6650 50 - 250 µm



QC6M52 1 - 15 µm



QC6X52 5 - 25 µm



QC6052 10 - 30 µm



QC6252 10 - 40 µm



QC6352 10 - 60 µm



QC6452 25 - 100 µm



QC6552 40 - 160 µm



QC6652 50 - 250 µm

	Particle Size Distribution approx. (µm)	D50 approx. (µm)	Content (%)			
Metallic Red Brown Pigments						
QC6M54	1 - 15	8.5	40 - 50	-	50 - 60	-
QC6X54	5 - 25	11.5	47 - 57	-	43 - 53	-
QC6054	10 - 30	14	45 - 56	-	44 - 54	-
QC6254	10 - 40	18.5	45 - 55	-	45 - 55	-
QC6354	10 - 60	22.5	40 - 52	-	48 - 60	-
QC6454	25 - 100	48	61 - 71	-	29 - 39	-
QC6554	40 - 160	75	66 - 76	-	24 - 34	-
QC6654	50 - 250	105	71 - 81	-	19 - 29	-



QC6M54 1 - 15 μm



QC6X54 5 - 25 μm



QC6O54 10 - 30 μm



QC6254 10 - 40 μm



QC6354 10 - 60 μm



QC6454 25 - 100 μm



QC6554 40 - 160 μm



QC6654 50 - 250 μm



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