

Kroma Red[®] Iron Oxide

Elementis Kroma Red iron oxides are a unique product line which is produced by direct precipitation as ferric oxide rather than by more traditional calcination methods. As a result of this precipitation process this product line has excellent dispersibility in addition to clean, bright mass tone and tint colors. This group of Elementis colors designated as "RO" provides excellent, cost effective dispersibility on high speed mixing equipment.

Kroma Reds are available in seven (7) shades ranging from the light shade RO-2097 to the dark shade RO-8097. All of the Kroma Red products are carefully controlled within narrow limits for mass color, tint and strength.

Elementis Kroma Reds are non fading, chemically stable and are unaffected by normal baking temperatures. They find wide application in paints and coatings of all types. They are also used in many other applications such as building materials, chemicals and plastics.

TYPICAL PROPERTIES (Data Below Apply To All Kroma Grades)

Formula	Fe ₂ O ₃
Particle Shape	Rhombohedral
Fe ₂ O ₃ Content, %	97+
Hegman	6+
+325 Mesh Retention, %	0.002
pH	7.0
Water Soluble Salts, %	0.1
H ₂ O, %	0.5
Specific Resistance, W	5000
Specific Gravity	4.9
Refractive Index Number	3.1

	AVERAGE PARTICLE Size (μm)	SPECIFIC SURFACE AREA (m ² /g)	OIL ABSORPTION (g/100g)	TAPPED DENSITY (g/cc)
RO-2097	0.25	15	20	.90
RO-3097	0.30	10	16	.92
RO-4097	0.40	8	15	.95
RO-5097	0.45	7	15	.95
RO-6097	0.65	6	15	.98
RO-7097	0.75	5	18	1.10
RO-8097	0.90	4	18	1.32

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