

Technical Data Sheet

KROMA RED[®] RO Series Synthetic Iron Oxide Red

KROMA RED[®] RO Series, from Venator Materials, is a unique line of synthetic iron oxide red pigments produced by direct precipitation as ferric oxide rather than by more traditional calcinations methods. As a result of the precipitation process, this product line has excellent dispersibility in addition to clean, bright mass tones and tint tones. RO grades provide excellent, cost effective dispersibility on high speed mixing equipment.

KROMA RED[®] RO products are available in ten (10) shades ranging from the light yellowish shade RO1097 to the dark bluish shade RO8097. All the RO products are carefully controlled within narrow limits for mass and tint colors and strength.

KROMA RED[®] RO products 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, plastics and chemicals.

TYPICAL PROPERTIES (Data Below Apply to All RO Series)

Color Index	77491(Pigment Red 101)
Formula	Fe ₂ O ₃
Particle Shape	Rhombohedral
Fe ₂ O ₃ Content, %	97+
Specific Gravity	4.9
Color Difference (CIElab), DE	1.5 max
Tinting Strength, %	95.0-105.0
pH	6.0
Moisture, %	0.50
Water Soluble Salts, %	0.10
+325 Mesh Retention, %	0.005
Specific Resistance, ohm-cm	5000
Refractive Index Number	3.1

The information contained in this data sheet is derived from analysis of a typical batch of each product. It is given for information purposes only, without guarantee, and does not constitute a product specification.

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Product	Average Particle Size (μ)	Specific Surface Area (m ² /g)	Oil Absorption (g/100g)	Hegman Rating
RO1097	0.25	15.0	18	-
RO2597	0.30	10.0	18	6+
RO3097	0.30	10.0	18	6+
RO4097	0.40	8.0	16	6+
RO4597	0.40	7.5	16	6+
RO5097	0.45	7.0	16	6+
RO5597	0.60	6.0	16	6+
RO6097	0.65	6.0	16	6+
RO7097	0.75	5.0	18	6+
RO8097	0.90	4.0	18	6+

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