

**Technical Data Sheet****TDS****General Description**

Product Name	Granular Iron Oxide Orange G2040
Type	Orange pigment
Chemical Class	Synthetic iron hydroxide $\alpha$ -FeOOH, synthetic iron oxide $\alpha$ -Fe <sub>2</sub> O <sub>3</sub>
Delivery Form	Granules
Color Index	Pigment Red 101, Pigment Yellow 42
CAS	1309-37-1, 51274-00-1
EINECS NO.	215-168-2, 243-746-4
Particle Shape	Spherical

**Physical and Chemical properties**

Test Items	Specification
Appearance	Orange granules
Content of Fe <sub>2</sub> O <sub>3</sub> , %	85-90
PH Value	4-9
Shade	Close to std.
Oil Absorption, %	20-30
Residue on 45 $\mu$ m, %	0.5 max.
Water soluble, %	2.5 max.
Volatite at 105°C, %	1.0 max.
Tinting Strength, %	95-105
DE (compared with std.)	1.2 max.
Tamped apparent density, g/cm <sup>3</sup>	0.5-0.9
Density approx. g/cm <sup>3</sup>	4.5
Predominant particle size, mm	0.3-0.6
Particle shape	Spherical

**Application**

Cement, bricks, concrete lines, paints, coatings, plastics, paper and building materials

**Package**

25kg bag with pallets.

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