

Technical Data Sheet

410 Red Iron Oxide



Introduction:

Mid shade red iron oxide pigment

CAS No. 1309-37-1

Uses:

410 Red Iron Oxide is used in the paint and rubber industries to give a distinct red colour.

410 Red Iron Oxide complies with EN12878:2005

Typical Characteristics:

Composition				
	Substance	% Min Weight	% Max Weight	Test Method
	Fe ₂ O ₃	93	96	XRF
	SiO ₂	0.1	0.3	XRF
	Al ₂ O ₃	0.05	0.15	XRF
	Moisture (Measured at time of production)	0	0.6	ISO 787/2
Properties				
	Description	Unit	Value	Test Method
	pH	---	3.5 – 8.0	ISO 787/9
	Particle Size	Sieve Residue + 63µ	0.75	ISO 787/7
	Colour Difference	DE	1.0 max	CIElab
	Tinting Strength	%	95 – 105	
	Water Soluble Salts	%	0.35	
	Soluble Chloride	%	0.006	
	Total Chloride	%	0.007	

Packaging:

Large Quantities:

24 x 25-kilo multi-ply paper bags on strong wooden pallet. (600 kg pallets)

Small Quantities:

Over slipped with strong multiwall paper sacks

Shelf Life:

If stored in dry conditions, out of direct sunlight and avoidant of extreme temperatures, product performance should be unimpaired for 5 years.

Health & Safety:

Detailed advice on the Health & Safety aspects of this product is given in the individual product Safety Data Sheet (SDS), available upon request.