



TECHNICAL DATA

Edition of: 2025-01-01

Trade name	Iron oxide yellow			
Type	810T			
REACH	Registration No. 01-2119457554-33-0014			
Chemical class	Iron hydroxide oxide (α -FeOOH)			
Delivery form	Powder			
Colour index	Pigment yellow 42 (77492)			
CAS No./EC No.	51274-00-1 / 257-098-5			
Specifications	Contents (Fe ₂ O ₃)	%	≥75	ISO1248
	Oil absorption	g/100g	35~45	ISO787-5
	Res. on 325 mesh	%	≤0.3	ISO787-7
	Water soluble matter	%	≤1.0	ISO787-3
	Moisture (after production)	%	≤1.5	ISO787-2
	pH value		5~8	ISO787-9
	Ignition loss (1,000°C, ½ h)	%	≤14.0	DIN55913
	Bulk density	g/cm ³	0.4~0.6	ISO787-11
	Specific gravity	g/cm ³	4.1	ISO787-10
	Predominant particle size	µm	0.1x0.6	SEM
	Dispersibility (Hegman)	µm	---	ISO787-20
	Tinting Strength (Compared with Standard)	%	95~105	ISO787-24
	Color Difference ΔE (Compared with Standard)		≤1.0	ISO787-1
Sales packing	In 20kg paper bag then palletized			
Transport & Storage	Protect against weathering, store in a dry place.			
Safety	The product is not classified as hazardous under EC 1907/2006 & EC 1272/2008			