



TECHNICAL DATA

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Trade name	Iron oxide brown			
Type	686			
REACH	Registration No. 01-2119457614-35-0043 , 01-2119457554-33-0014 , 01-2119457646-28-0014			
Chemical class	Synthetic iron oxide (mixture)			
Delivery form	Powder			
Colour index	Combination of Pigment red 101, yellow 42 and black 11			
CAS No./EC No.	1309-37-1, 51274-00-1, 1317-61-9 / 215-168-2, 257-098-5, 215-277-5			
Specifications	Contents (Fe ₂ O ₃)	%	≥88	ISO1248
	Oil absorption	g/100g	20~30	ISO787-5
	Res. on 325 mesh	%	≤0.3	ISO787-7
	Water soluble matter	%	≤0.5	ISO787-3
	Moisture	%	≤1.5	ISO787-2
	pH value		3.5~7	ISO787-9
	Ignition loss (1,000°C, ½ h)	%	≤6.0	DIN55913
	Bulk density	g/cm ³	0.7~1.1	ISO787-11
	Specific gravity	g/cm ³	5.0	ISO787-10
	Predominant particle size	µm	Irregular	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 25kg paper bag/800kg bulk bag then palletized		
Transport & Storage	Protect against weathering. Store in a dry place. Temperatures of above 80 °C must be avoided			
Safety	The product is not classified as hazardous under EC 1907/2006 & EC 1272/2008			