



# HYROX



## TECHNICAL DATA

Edition of: 2010-12-9

<b>Trade name</b>	Iron oxide black			
<b>Type</b>	318			
<b>REACH</b>	Registration No. 01-2119457646-28-0014			
<b>Chemical name</b>	Triiron tetraoxide (Fe <sub>3</sub> O <sub>4</sub> )			
<b>Delivery form</b>	Powder			
<b>Colour index</b>	Pigment black 11 (77499)			
<b>CAS No./EC No.</b>	1317-61-9/215-277-5			
<b>Specifications</b>	Contents (Fe <sub>3</sub> O <sub>4</sub> )	%	≥90	ISO1248
	Oil absorption	ml/100g	15~25	ISO787-5
	Res. on 325 mesh	%	≤0.5	ISO787-7
	Water soluble salts	%	≤0.5	ISO787-3
	Moisture	%	≤1.5	ISO787-2
	pH value		5~8	ISO787-9
	Ignition loss (1,000°C, ½ h)	%	≤5.0	DIN55913
	Bulk density	g/cm <sup>3</sup>	0.8~1.2	ISO787-11
	Specific gravity	g/cm <sup>3</sup>	4.6	ISO787-10
	Particle size BET	µm	0.15	Electron Micrographs
	Dispersibility (Hegman)	µm	20/30/40	ISO787-20
	Tinting Strength (Compared with Standard)	%	95~105	ISO787-24
	Color Difference ΔE (Compared with Standard)		≤1.0	ISO787-1
	<b>Sales packing</b>	In 25kg paper bag/1000kg bulk bag then palletized		
<b>Transport &amp; Storage</b>	Protect against weathering / Store in a dry place, temperatures of above 80 °C must be avoided			
<b>Safety</b>	The product is not classified as hazardous under EC 1907/2006 & EC 1272/2008			



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