

TECHNICAL DATA SHEET

Iron Oxide Black TG723

Edition of	2012-12-11
Type	Granular Black Pigment
Molecular formula	Fe ₃ O ₄
Molecular weight	231.54
Delivery Form	Granular
Chemical Class	Synthetic Iron Oxide
Color Index	Pigment Black 11 (77499)
CAS No.	1317-61-9
Use ReCommedation	Building

COLOR VALUES AND TINTING STRENGTH

Reference	Standard: DIN 6174		
	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Reduction with titanium dioxide (1:2)		R-706	No.038.2009-08-01
ΔL*	-0.7	0.7	
Δa*	-0.7	0.7	
Δb*	-0.7	0.7	
ΔE*ab		1.0	
Binder		R-05	
Relative tinting strength [%]	95	105	No.038.2009-08-01

TECHNICAL DATA

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Fe ₃ O ₄	87.0		DIN 55913-2
SiO ₂ +Al ₂ O ₃ Content [%]		0.6	DIN 55913
Water soluble substances [%]		4.0	DIN ISO 787-3
Moisture at 105°C [%]		1.0	DIN ISO 787-2
Oil absorption approx [%]		25	DIN ISO 787-5
Sieve residue on 0.045mm mesh [%]		0.1	DIN 53195
Tinting strengths vs. standard range	95	105	DIN 6174
ΔE		1.0	DIN 6174
PH Value	4.0	8.0	DIN ISO 787-9
Density		4.5	DIN ISO 787-10
Tamped Density		1.0	DIN ISO 787-11
Granular size: 0.3 mm – 0.6 mm/ 0.6 mm – 1.0 mm	80.0		

STANDARD PACKAGING 25kg/bag

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