技术资料

CATHAYTHERM™ ZF15

CATHAYTHERM™是国泰工业提供的高质量耐温颜料系列，适合应用于有高温要求的产品，最典型的应用包括塑料色母，橡胶，粉末涂料，工业烤漆，卷钢涂料，军用涂料，特种涂料，陶瓷和屋面造粒。

CATHAYTHERM™ZF15 由氧化锌和氧化铁颜料煅烧合成而成，是优质耐温的无机颜料。

CATHAYTHERM™ZF15 在严格的质量控制条件下生产，拥有值得信赖的产品性能：出色的耐光性，不透明性，耐化学品性，热稳定性，耐候性和应用的兼容性。它适合应用在使用高速分散设备（Cowles 叶片）或者单/双螺杆挤出机。

CATHAYTHERM™ZF15 耐温能达到 400℃ (750℉)以上，甚至在某些应用中还能达到更高的耐热性。

典型参数

性能	单 位	规格	测试方法
外观		黄色粉末	
化学成分		$ZnFe_2O_4$	
粒子形状		球形	
Pigment Index		Yellow 119	
Color Index		77496	
堆积密度	g/cm^3	0.8-1.1	ISO 787-11
密度	g/cm^3	4.9	ISO 787-10
含量（以 Fe_2O_3 计）	%	≥65	BS 1014
水溶盐	%	≤0.5	ISO787-3
筛余物 （45 微米筛网）	%	≤0.1	ISO787-7
水分（@ 110°C）	%	≤1.0	ISO787-2
pH		5.0-8.0	ISO 787-9
平均粒子大小	µm	0.68	D50(粒径分布)
热稳定性	℃	>300	DIN EN 12877-2:1999
吸油量	g/100g	15 – 25	ISO787-5
海格曼细度		≥6.0	ASTM D 1210

www.cathayindustries.com

The information presented in this brochure is given in good faith and is accurate to the best knowledge of Cathay Industries. Since the application process and conditions of use of our products are beyond our control, all recommendations and suggestions are made without guarantee. We make no implied warranty of merchantability, or fitness for a particular purpose. The user has an obligation to test the products to confirm their suitability for the intended use. In no event shall Cathay Industries be liable for damages of any kind arising from the use of reliance upon this information. We expressly disclaim that the use, either alone or in combination with other materials, will not violate the claims of any patent or rightful claim of any third party. Buyer's sole remedy shall be refund of pigment purchase price from point of purchase. Before using any chemical, read its label and Material Safety Data Sheet.

Sep.-2017

技术资料

CATHAYTHERM™ ZF15

颜色参数

	最小值	最大值	测试方法
原色			
DE	0	1.0	ISO7724-2
DL	-0.8	+0.8	ISO7724-2
Da	-0.8	+0.8	ISO7724-2
Db	-0.8	+0.8	ISO7724-2
冲淡色——TiO_2 1:4			
DE	0	1.0	ISO7724-2
DL	-0.8	+0.8	ISO7724-2
Da	-0.8	+0.8	ISO7724-2
Db	-0.8	+0.8	ISO7724-2
着色力	95%	105%	ISO 8787-1

www.cathayindustries.com

The information presented in this brochure is given in good faith and is accurate to the best knowledge of Cathay Industries. Since the application process and conditions of use of our products are beyond our control, all recommendations and suggestions are made without guarantee. We make no implied warranty of merchantability, or fitness for a particular purpose. The user has an obligation to test the products to confirm their suitability for the intended use. In no event shall Cathay Industries be liable for damages of any kind arising from the use of reliance upon this information. We expressly disclaim that the use, either alone or in combination with other materials, will not violate the claims of any patent or rightful claim of any third party. Buyer's sole remedy shall be refund of pigment purchase price from point of purchase. Before using any chemical, read its label and Material Safety Data Sheet.