

技术资料

耐热黑——CATHAYTHERM™ F9900M

国泰工业的合成锰铁黑是优质耐温的无机颜料,用途广泛。最典型的用途包括塑料,粉末涂料,橡胶, 工业烤漆,卷钢涂料,军用涂料,特种涂料,陶瓷和屋面造粒。

超微细级锰铁黑颜料 F9900M 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。

锰铁黑颜料 F9900M 耐温能达到 500℃ (932°F)以上,甚至在某些应用中还能达到更高的耐温性。

典型参数

性能	单位	规格	测试方法
外观		黑色粉末	
化学成分		(Fe, Mn) ₂ O ₃	
粒子形状		球形	
Pigment Index		Black 26	
Color Index		77537	
堆积密度	g/cm ³	0.8 – 1.1	ISO 787-11
密度	g/cm ³	5.0	ISO 787-10
含量(以 Fe₂O₃ 计)	%	≥65	BS 1014
水溶盐	%	≤0.4	ISO787-3
筛余物 (45 微米筛网)	%	≤0.1	ISO787-7
水分(@ 110°C)	%	≤1.0	ISO787-2
рН		5.0 - 8.0	ISO 787-9
平均粒子大小	μm	1.18	D50(粒径分布)
耐温性	°C	>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

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.

Jan-2019



技术资料 耐热黑——CATHAYTHERM™ F9900M

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——TiO₂ 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	