

测试报告

No. SH9002116/CHEM

Date: Jan. 9, 2009

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易达科技(香港)有限公司

委托检验的样品及客户对样品的说明如下:

样品名称 : 灰尼龙
SGS 相关号 : SHD002900223
型号 : EASYROLL

样品收到日期 : 2009-01-06
样品试验日期 : 2009-01-06—2009-01-09

试验要求 : 参照 RoHS 指令 2002/95/EC 及后续修正指令。

试验方法 : 参照 IEC 62321/2nd CDV (111/95/CDV): 电子电器产品中限用物质含量的测定程序
(1) 用 ICP 测定镉的含量
(2) 用 ICP 测定铅的含量
(3) 用 ICP 测定汞的含量
(4) 用 比色法测定六价格的含量
(5) 用 GC/MS 测定 PBBs(多溴联苯)和 PBDEs(多溴二苯醚) 的含量

试验结果 : 见后续页

试验结论 : 基于所送样品进行的测试, 测试结果与欧盟 RoHS 指令 2002/95/EC 以及后续修正指令的要求相符。

SGS-CSTC 化学实验室授权签字



郝金玉
实验室经理

本报告是发布日期为 2009 年 01 月 09 日编号为 SH9002115/CHEM 英文检测报告中文译本。如有异议, 以英文版本为准。

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Member of the SGS Group (SGS SA)

化学方法的试验结果 (单位: mg/kg)

测试项目:	方法 (参见)	1	MDL	RoHS 限值
镉(Cd)	(1)	ND	2	100
铅(Pb)	(2)	ND	2	1000
汞(Hg)	(3)	ND	2	1000
碱性溶液萃取测六价铬(Cr VI)	(4)	ND	2	1000
多溴联苯(PBBs)之和	(5)	ND	-	1000
一溴联苯		ND	5	-
二溴联苯		ND	5	-
三溴联苯		ND	5	-
四溴联苯		ND	5	-
五溴联苯		ND	5	-
六溴联苯		ND	5	-
七溴联苯		ND	5	-
八溴联苯		ND	5	-
九溴联苯		ND	5	-
十溴联苯		ND	5	-
多溴二苯醚之和(PBDEs)		ND	-	1000
一溴二苯醚		ND	5	-
二溴二苯醚		ND	5	-
三溴二苯醚		ND	5	-
四溴二苯醚		ND	5	-
五溴二苯醚		ND	5	-
六溴二苯醚		ND	5	-
七溴二苯醚		ND	5	-
八溴二苯醚		ND	5	-
九溴二苯醚	ND	5	-	
十溴二苯醚	ND	5	-	

测试部件外观描述:

1. 灰色塑料粒子

备注:

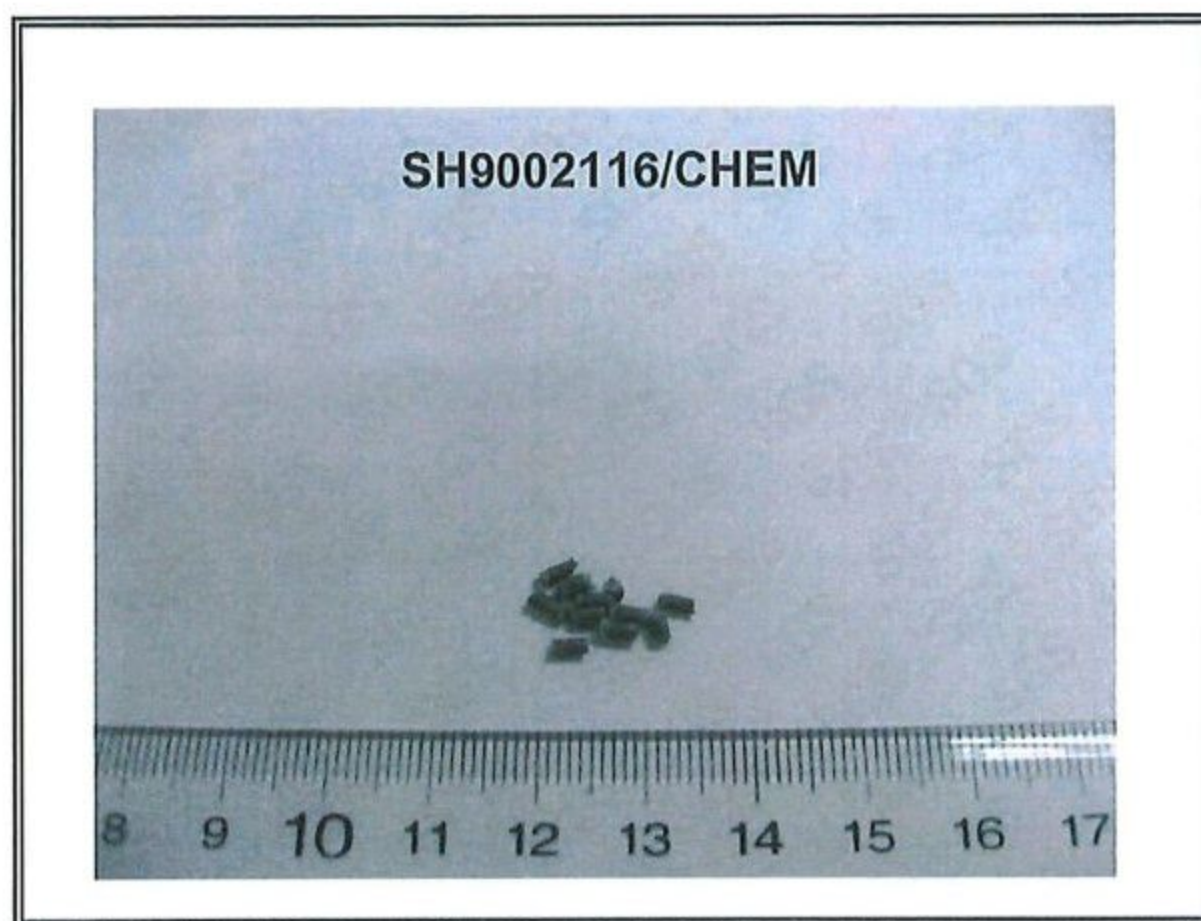
- (1) 毫克每千克=百万分之一 (mg/kg=ppm)
- (2) ND = 未检出
- (3) MDL = 检测极限值
- (4) 根据欧洲法庭 2008 年 4 月 1 日的决议, 2005/717/EC 中关于聚合物样品中十溴二苯醚的豁免被否决。自 2008 年 7 月 1 日起, 十溴二苯醚将被包含于多溴二苯醚的总和计算之中。
- (5) 多溴二苯醚 = 多溴联苯醚
- (6) "-" = 未规定
- (7) 最大允许极限值引用自 2002/95/EC RoHS 指令和后续修正指令 2005/618/EC。

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样品照片:



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测试报告

编号 : SHMR090100050-1
 日期 : 2009.02.10
 页码 : 1 of 2

易达科技(香港)有限公司

此报告替代原来编号为 SHMR090100050 日期为 2009/01/21 的报告

下列样品由客户提供及确认:

样品名称 : 灰尼龙
 样品编号 : SHMR090100049
 SGS 参考号 : SHD002900223
 型号 : EASYROLL
 测试要求 : 硬度, Taber 耐磨测试, 动摩擦系数, IZOD 冲击强度, 吸水率
 收样日期 : 2009年01月06日
 测试周期 : 2009年01月06日至2009年01月21日

测试结果 : 请见下页。

*****待续*****

通标标准技术服务有限公司
 授权签名

朱继焱

朱继焱 实验室技术主管

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SHMR 005071

测试报告

编号 : SHMR090100050-1

日期 : 2009.02.10

页码 : 2 of 2

样品描述: 灰色塑料件, 灰色塑料粒子

实验室环境条件: 23± 2℃, 50± 5%RH

测试结果:

序号	测试项目	测试方法	测试条件		结果
1	硬度	ISO 7619:2004	Type D 试样厚度: 6.5mm 读数时间: 15s		D: 15/80
2	Taber 耐磨测试	ASTM D1044-05	磨轮: CS-17 负载: 500g 转数: 5000		重量损失: 1mg
3	动摩擦系数	ISO 8295:1995 和客户要求	试样厚度: 3.52mm	预处理条件: 23℃, 50%RH, 88h	动摩擦系数, μ_D : 0.235 标准偏差: 0.024
			测试速度: 150mm/min	预处理条件: 23℃, 95%RH, 24h	动摩擦系数, μ_D : 0.225 标准偏差: 0.032
4	IZOD 冲击强度	ASTM D256-06a ^{E1} 方法 A 和客户要求	试样宽度: 6.4mm 摆锤能量: 2J	预处理条件: 80℃, 12h	61 J/m C(完全断裂)
				预处理条件: -60℃, 12h	52 J/m C(完全断裂)
				预处理条件: 23℃, 40h	63 J/m C(完全断裂)
5	吸水率	ASTM D570-98	干燥条件: 50℃, 24h 浸泡条件: 23℃, 24h 试样厚度: 2.1mm 试样直径: Φ 80mm		2.11%

备注: 1. 测试项目 1-2, 4-5 的试样为灰色塑料件, 测试项目 3 的试样为注塑成型。

2. 该测试项目 3 由 SGS 集团内部广州实验室执行。

3. 此报告为英文报告 SHMR090100049-2 的中文译本, 如中英文有差异, 概以英文为准。

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SHMR 005072