

测试报告

编号 : GZIN1607032047MR-01_CN

日期 : 2016-09-22

页码 : 1 of 7

客户名称: 深圳市沃尔核材股份有限公司
客户地址: 广东省深圳市坪山新区兰景北路沃尔工业园

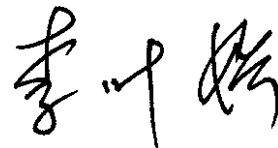
下列样品由客户提供及确认:

样品名称 : (开/闭) 绝缘护套、管、盒罩用(氟)硅橡胶材料
SGS 参考号 : CP16-042735-SZ-4.2
收样日期 : 2016-07-14
测试开始时间 : 2016-07-14
测试结束时间 : 2016-07-20
测试结果 : 请见下页

通标标准技术服务有限公司广州分公司

检测中心

授权签名



李叶娇

授权签字人



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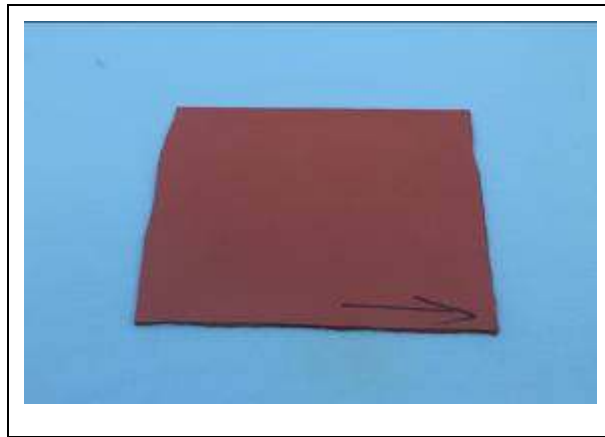
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结果总结:

序号	测试项目	测试方法	结果	结论
1	电气强度	IEC 60243-1:2013 短时(快速)测试	21.40 kV/mm	合格
2	表面电阻率	GB/T 1692-2008	$1.0 \times 10^{15} \Omega$	合格
3	体积电阻率	IEC 62631-3-1:2016	$3.9 \times 10^{15} \Omega \cdot \text{cm}$	合格
4	垂直燃烧	GB/T 10707-2008 方法 B	FV-1	/

备注: 合格: 达到要求
 不合格: 未达到要求
 /: 不下判定

原样照片:



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1.测试项目: 电气强度

样品描述: 见照片

测试方法: IEC 60243-1:2013 短时(快速)测试

测试条件:

试样厚度: 1.31 mm

预处理条件: 23 ± 2 °C, 50 ± 5 % RH, 48 h

测试温度: 23 ± 2 °C

绝缘介质: 10#变压器油

不等直径电极: 下电极直径: 75 mm

上电极直径: 25 mm

施加电压频率: 50 Hz

升压速率: 2000 V/s

测试结果:

测试项目	测试结果	客户要求	结论
电气强度	21.40 kV/mm	≥ 20 kV/mm	合格



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2.测试项目: 表面表面电阻率

样品描述: 见照片

测试方法: GB/T 1692-2008

测试条件:

预处理条件: 干燥器, 23 ± 2 °C, 24 h

测试条件: 23 ± 2 °C, 50 ± 5 %RH

测试电极直径: 50 mm

电极间隙: 10.0 mm

测试电压: 500 Vdc

电化时间: 1 min

测试结果:

测试项目	测试结果	客户要求	结论
表面电阻率	$1.0 \times 10^{15} \Omega$	$\geq 1 \times 10^{14} \Omega$	合格

备注: 测试试样从样品中裁取。



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3.测试项目: 体积电阻率

样品描述: 见照片

测试方法: IEC 62631-3-1:2016

测试条件:

试样厚度: 2.18 mm

预处理条件: 23 ± 2 °C, 50 ± 5 %RH, 48 h

测试条件: 23 ± 2 °C, 50 ± 5 %RH

测试电极直径: 50 mm

电极间隙: 10 mm

测试电压: 500 Vdc

电化时间: 1 min

测试结果:

测试项目	测试结果	客户要求	结论
体积电阻率	$3.9 \times 10^{15} \Omega \cdot \text{cm}$	$\geq 1 \times 10^{14} \Omega \cdot \text{cm}$	合格

备注: 测试试样从样品中截取。



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4.测试项目: 垂直燃烧

样品描述: 见照片

测试方法: GB/T 10707-2008 方法 B

测试条件:

试样: 130 mm × 13.0 mm × 3.5 mm

处理条件: 23 ± 2 °C, 50 ± 5 %RH, 48 h

测试结果:

试样	1	2	3	4	5
第一次施加火焰后的有焰燃烧时间 (t _{1-i})/s	4.4	3.7	6.8	5.1	1.8
第二次施加火焰后的有焰燃烧时间 (t _{2-i})/s	18.8	24.8	25.9	15.8	23.4
第二次施加火焰后的无焰燃烧时间 (t _{3-i})/s	0	0	0	0	0
施加 10 次火焰后总的有焰燃烧时间 (t _f)/s	130.5				
第二次施加火焰后有焰燃烧时间与无焰燃烧时间之和 (t _m)/s	18.8	24.8	25.9	15.8	23.4
有焰或无焰燃烧蔓延到夹具的现象	否	否	否	否	否
滴落物引燃脱脂棉的现象	否	否	否	否	否

等级: FV-1 (见表 1)



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表 1

判定条件	FV-0	FV-1	FV-2
单个试样每次施加火焰后的有焰燃烧时间 (t_{1-i} 、 t_{2-i})/s	≤10	≤30	≤30
每组 5 个试样施加 10 次火焰后总的 有焰燃烧时间 (t_f)/s	≤50	≤250	≤250
单个试样第二次施加火焰后有焰燃烧时间 与无焰燃烧时间之和 (t_m)/s	≤30	≤60	≤60
有焰或无焰燃烧蔓延到夹具的现象	无	无	无
滴落物引燃脱脂棉的现象	无	无	有

备注：测试试样从样品中裁取。

附录信息：

1. 此测试报告用于取代编号 GZIN1607032047MR_CN 测试报告，原报告作废。
2. 此测试报告是报告编号 GZIN1607032047MR-01 的中文译本，中英文版本如有歧义，概以英文版为准。

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