

测试报告

编号 : GZIN1607032080MR_CN

日期 : 2016-09-19

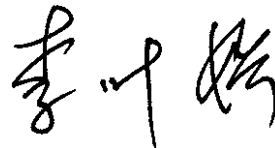
页码 : 1 of 9

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-4.4
收样日期 : 2016-07-14
测试开始时间 : 2016-07-14
测试结束时间 : 2016-08-10
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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结果总结:

序号	测试项目	测试方法	结果		结论	
1	耐液体试验	GB/T 1690-2010 全浸测试	浸泡条件 1	无粉化、脆化、开裂、变色等现象	合格	
			浸泡条件 2	无粉化、脆化、开裂、变色等现象	合格	
			浸泡条件 3	无粉化、脆化、开裂、变色等现象	合格	
2	邵氏硬度	ASTM D2240-15	A/66/1		合格	
3	撕裂强度	ASTM D624-00(2012)	23.7 kN/m		合格	
4	拉伸测试	ASTM D412-15a 方法 A	拉伸强度	常态	9.25 MPa	合格
				热老化后	6.75 MPa	/
			断裂伸长率	常态	470 %	合格
				热老化后	320 %	/
5	高温抗开裂	GB/T 2951.31-2008 第 9.1 节	无裂纹		合格	

备注: 合格: 达到要求
 不合格: 未到达要求
 /: 不下判定



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1.测试项目: 耐液体试验

样品描述: 橡胶件

测试方法: GB/T 1690-2010 全浸测试

测试条件:

浸泡条件 1: 10 % H₂SO₄ 溶液(m/m), 25 °C, 24 h→取出后擦干

浸泡条件 2: 10 % NaOH 溶液(m/m), 25 °C, 24 h→取出后擦干

浸泡条件 3: 10 % NaCl 溶液(m/m), 25 °C, 24 h→取出后擦干

实验室环境条件: 23 ± 2 °C, 50 ± 5 % RH

测试结果:

测试项目	外观	客户要求	结论
耐液体试验	浸泡条件 1 无粉化、脆化、开裂、变色等现象	无粉化、脆化、开裂、变色等现象	合格
	浸泡条件 2 无粉化、脆化、开裂、变色等现象	无粉化、脆化、开裂、变色等现象	合格
	浸泡条件 3 无粉化、脆化、开裂、变色等现象	无粉化、脆化、开裂、变色等现象	合格

备注: 测试试样从样品中截取。



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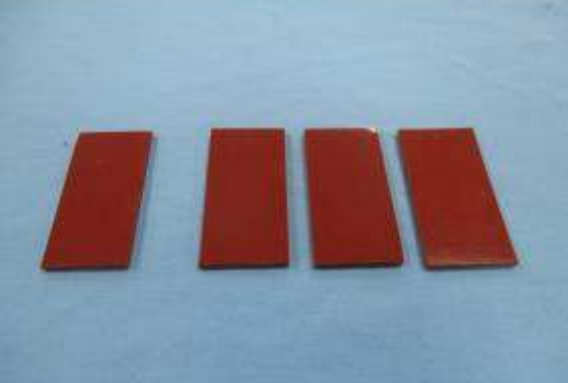
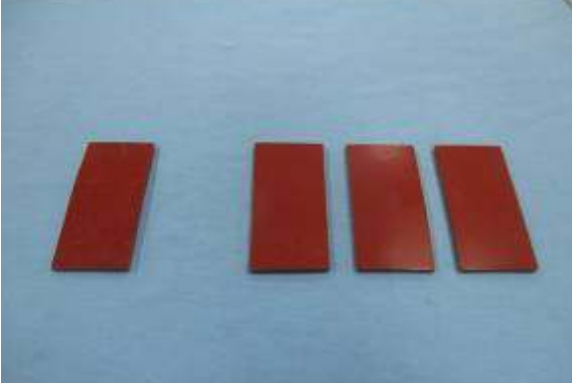
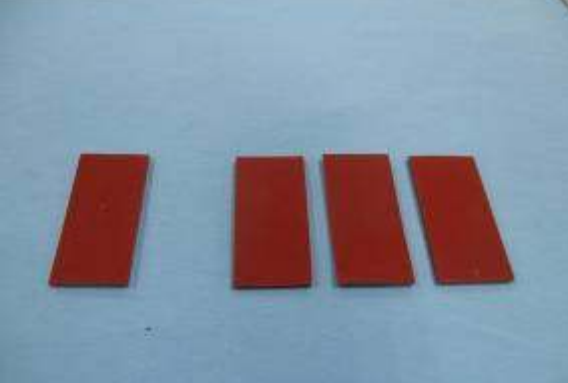
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测试照片:

	
<p>原始样品</p>	<p>参照样品 测试样品-浸泡条件 1</p>
	
<p>参照样品 测试样品-浸泡条件 2</p>	<p>参照样品 测试样品-浸泡条件 3</p>



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2.测试项目: 邵氏硬度

样品描述: 橡胶件

测试方法: ASTM D2240-15

测试条件:

试样厚度: 6.76 mm (3层叠加)

实验室环境条件: 23 ± 2 °C, 50 ± 5 % RH

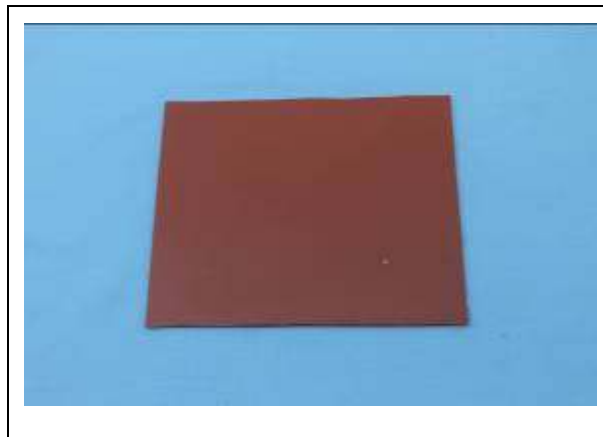
测试结果:

测试项目	测试结果	客户要求	结论
邵氏硬度	A/66/1	A/70±5/1	合格

备注:

1. A/X/1 是指硬度计的类型是 A 型; 读数时间是 1 s; 硬度值是 X。
2. 测试试样从样品中截取。

原样照片:



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3.测试项目: 撕裂强度

样品描述: 橡胶件

测试方法: ASTM D624-00(2012)

测试条件:

试样: C 型

试样厚度: 2.55 mm

测试速度: 500 mm/min

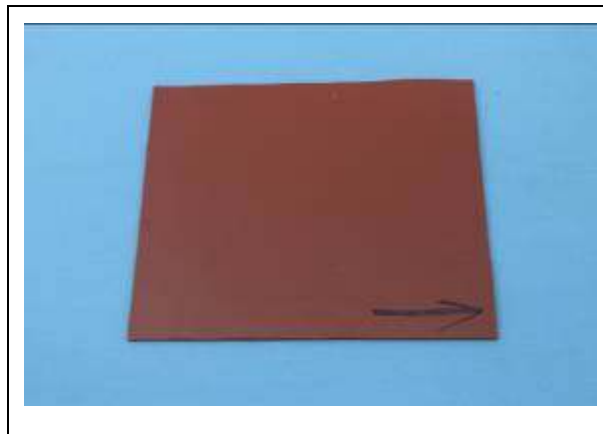
实验室环境条件: 23 ± 2 °C, 50 ± 5 % RH

测试结果:

测试项目	测试结果	客户要求	结论
撕裂强度	23.7 kN/m	≥10 kN/m	合格

备注: 测试试样从样品中裁取。

原样照片:



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4.测试项目: 拉伸测试

样品描述: 橡胶件

测试方法: ASTM D412-15a 方法 A

测试条件:

常态条件: 23 ± 2 °C, 50 ± 5 % RH, 48 h

热老化条件: 180 °C, 7 天→23 ± 2 °C, 50 ± 5 % RH, 16 h

试样: C 型

试样厚度: 2.45 mm

测试速度: 500 mm/min

标距: 25 mm

实验室环境条件: 23 ± 2 °C, 50 ± 5 % RH

测试结果:

测试项目	测试结果		客户要求	结论
拉伸强度	常态	9.25 MPa	≥5.0 MPa	合格
	热老化后	6.75 MPa	/	/
断裂伸长率	常态	470 %	≥280 %	合格
	热老化后	320 %	/	/

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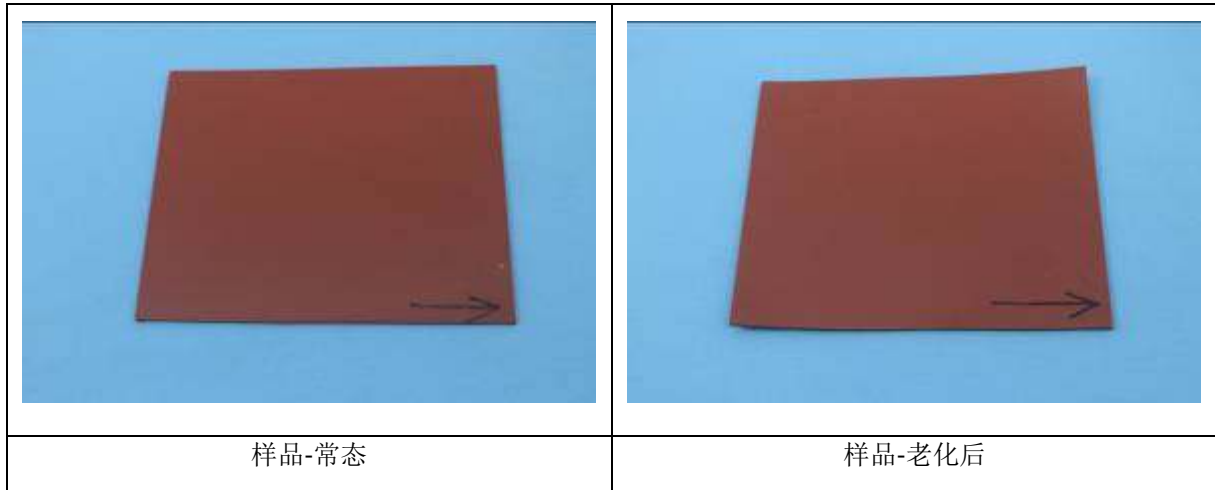
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原样照片:



5.测试项目: 高温抗开裂

样品描述: 橡胶件

测试方法: GB/T 2951.31-2008 第 9.1 节

测试条件:

条件: 155 °C, 2 h

芯轴直径: 4 mm

实验室环境条件: 23 ± 2 °C, 50 ± 5 % RH

测试结果:

测试项目	测试结果	客户要求	结论
高温抗开裂	无裂纹	无裂纹	合格

备注: 测试试样从样品中截取。



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