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TESTING
CNAS L0623

中国有色金属工业华南产品质量监督检验中心

South-China Products Quality Supervision & Inspection Center for China National Non-ferrous Metals Industry

检验报告

TEST REPORT

报告编号:
Report No. WB21-1267-1

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样品名称 Sample Description	PA66GF25 隔热条 Article insulation	型号规格/等级 Model/Grade	I 14.8
牌号状态 Status Code	/	批号/编号 Serial No.	/
委托单位 Applicant	福建融海新材料科技有限公司 Fujian Ronghai New Material Technology Co.,Ltd.	联系人 Contact	蒋东
到样数量 Received Number of Sample(s)	1	到样日期 Received Date of Sample(s)	2021.05.17
以上信息由客户提供 The above information is provided by the applicant			
样品特征和状态 Sample Character and State	黑色 型材 Black Profiles	委托编号 ApplicantNo.	Y21-1267
产品标准/判定依据 Test Requirements	GB/T23615.1-2017	检验依据/方法 Ref. Documents/Method for the Test	详见内页 See the inside pages
检验类别 Test category	委托检验 Entrusted inspection	检测完成日期 Test Completion Date	2021.07.09
检验结论 Test Conclusion	单项判定 Single item decision (盖章 Seal) 报告日期: 2021.07.12 Report date:		
备注 Remarks	/		

批准:
Approved by

审核:
Verified by

编制:
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1	玻璃纤维 Fiberglass	%	25±2.5	27.17	符合 Pass	GB/T 9345.1-2008
2	密度 Density	g/cm ³	1.30±0.05	1.314	符合 Pass	GB/T 1033.1-2008
3	DSC 熔融峰温 DSC melting peak temperature	℃	≥255	257	符合 Pass	GB/T 19466.3-2004
4	轴钉应力开裂试验 Stress cracking performance of shaft nails	/	孔口无裂纹 No crack at the orifice	孔口无裂纹 No crack at the orifice	符合 Pass	GB/T 23615.1-2017
5	邵氏硬度 (HD) Shore hardness (HD)	/	80±5	78.6	符合 Pass	GB/T 2411-2008
6	低温无缺口冲击强度 No notch impact strength at low temperature	kJ/m ²	≥50	125	符合 Pass	GB/T 1043.1-2008
7	室温纵向抗拉特征值 Characteristic values of longitudinal tensile strength at room temperature	MPa	≥90	93	符合 Pass	GB/T 23615.1-2017
8	室温纵向拉伸断裂伸长率 Elongation at break of longitudinal tensile at room temperature	%	≥3	3.5	符合 Pass	GB/T 23615.1-2017
9	室温纵向拉伸弹性模量 Elastic modulus of longitudinal tension at room temperature	MPa	≥4500	5532	符合 Pass	GB/T 23615.1-2017
10	室温横向抗拉特征值 Characteristic values of transverse tensile strength at room temperature	MPa	≥90	108	符合 Pass	GB/T 23615.1-2017
11	高温横向抗拉特征值 Characteristic values of transverse tensile strength at high temperature	MPa	≥55	73	符合 Pass	GB/T 23615.1-2017
12	低温横向抗拉特征值 Characteristic values of transverse tensile strength at low temperature	MPa	≥90	103	符合 Pass	GB/T 23615.1-2017

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13	耐水性能(23℃水浸1000h)Water resistant test (23℃ water immersion 1000 h) 横向抗拉特征值 Transverse tensile characteristic values	MPa	≥ 85	100	符合 Pass	GB/T 23615.1-2017
14	耐水性能(沸水4h)Water resistance test (4h boiling water) 横向抗拉特征值 Transverse tensile characteristic values	MPa	≥ 85	102	符合 Pass	GB/T 23615.1-2017
15	热老化性能(1000h)Heat aging property(1000h) 横向抗拉特征值 Transverse tensile characteristic values	MPa	≥ 60	71	符合 Pass	GB/T 23615.1-2017
16	显微组织 Microstructure	/	金相显微镜下观察, 聚酰胺型材的玻璃纤维应均匀分布, 不应有气泡、明显夹杂物等缺陷。 Under metallographic microscope, the fiberglass of polyamide profiles should be evenly distributed without any defects such as bubbles and obvious inclusions.	玻璃纤维分布较均匀, 无气泡和明显夹杂物。如图 1~3 所示。 Under the microscope, the glass fiber is uniform, transparent, slender, without inclusion or short breakage, as shown in Fig. 1~3.	符合 Pass	GB/T 23615.1-2017
17	灰分 Ash	/	目视观察玻璃纤维颜色, 应呈白色。显色呈白色, 如图 4 所示。显微镜下观察玻璃纤维形态应透明, 细长, 无夹杂、短碎等缺陷。 Visually observe the fiber glass color, color of the glass fiber should be white, as shown in Fig. 4. Under microscope, the morphology of glass fiber should be transparent, slender, and there should be no inclusions, short broken and other defects.	目视玻璃纤维颜色呈白色, 如图 5 所示。The visual color of the glass fiber is white, as shown in Fig. 5. Under the microscope, the glass fiber is transparent, slender, without inclusion or short breakage, as shown in Fig. 5.	符合 Pass	GB/T 23615.1-2017

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18	断口形貌 Fracture morphology	/	断口形貌应致密, 不应有气泡、明显夹杂物、裂纹等缺陷。 Fracture morphology should be dense, there without bubbles, obvious inclusions, cracks and other defects.	断口致密, 无气泡、明显的夹杂物及裂纹等缺陷, 典型形貌如图 6 所示。The fracture is dense, without bubbles, obvious inclusions, cracks and other defects. The typical morphology is shown in Fig.6.	符合 Pass	GB/T 23615.1-2017
19	尺寸偏差 Dimensional deviation		/		/	GB/T 23615.1-2017
	h	mm		14.74		
	b	mm		4.17		
	t	mm		1.799		
	θ	°		60.2		
20	外观质量 Appearance quality	/	外观应光滑、平整, 色泽均匀, 表面不应有影响使用的外观缺陷。 The appearance shall be smooth, flat and uniform in color, and the surface shall be free of appearance defects affecting the use.	外观光滑、平整, 色泽均匀, 表面无影响使用的外观缺陷。 The appearance is smooth, flat, uniform in color, and the surface has no appearance defects that affect the use.	符合 Pass	GB/T 23615.1-2017



图 1 横向玻璃纤维

FIG.1 Transverse fiberglass

图 2 纵向玻璃纤维

FIG.2 Longitudinal fiberglass

图 3 法向玻璃纤维

FIG.3 Normal fiberglass

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图 4 目视形貌
FIG.4 Visual morphology

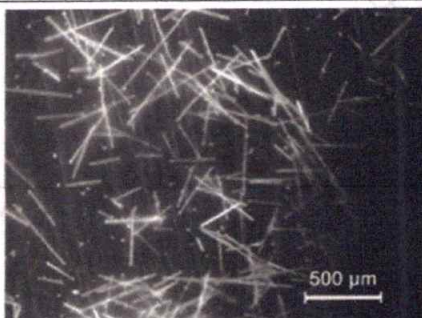


图 5 显微形貌
FIG.5 Microstructure

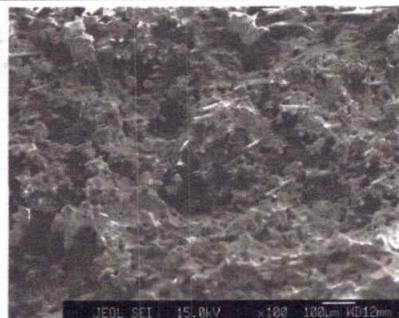


图 6 断口形貌
FIG.6 Fracture morphology

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End

实验室环境条件: 符合要求

Laboratory environmental Conditions: meet the requirements

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