



Technical data sheet

Volgamid® PA6G15FRNC201

15%Glass Fiber Reinforced Red phosphorus Flamed Retardant PA6

项目 Item	典型性能 Typical Characteristic		测试标准 Testing Standard
	值 Value	单位 Unit	
机械性能 Mechanical Properties			
拉伸强度 Tensile Strength	135	MPa	ISO527, 50mm/min
断裂伸长率 Elongation at break		%	ISO527, 50mm/min
弯曲强度 Flexural Strength	180	MPa	ISO178, 2mm/min
弯曲模量Flexural Modulus	6200	MPa	ISO178, 2mm/min
简支梁缺口冲击强度 Charpy Impact notched	6	KJ/m²	ISO179/1eA
简支梁无缺口冲击强度 Charpy Impact unnotched	57	KJ/m²	ISO179/1eU
洛氏硬度Rockwell Hardness			ISO2039/2
热性能 Thermal Properties			
热变形温度 Temp. of deflection under load (0.45MPa)		℃	ISO75
热变形温度 Temp. of deflection under load (1.80MPa)	190	℃	ISO75
熔点 Melting Point	220	℃	ISO3146C
电性能 Electrical Properties			
体积电阻率Volume Resistant		ohm*m	IEC60093
表面电阻率 Surface Resistant		ohm	IEC60093
介电强度 Dielectric Strength		KV/mm	IEC 60243-1
电痕化指数 Comp Track Index	600		IEC 60112
其它 Others			
密度Specific Gravity	1.32	g/cm³	ISO1183
灰分Ash Content	15±1	%	ISO3451-4
吸水率 Water Absorption		%	ISO62
模塑收缩率Mold Shrinkage		%	ISO294-4
燃烧性能			
UL垂直燃烧 Flammability	3.2/V0	mm/Class	UL-94
UL垂直燃烧 Flammability	1.6/V0	mm/Class	UL-94
灼热丝可燃指数 Glow-wire Flammability Index		mm/℃	IEC 60695-2-12