

VESTAMID D22

PA 612

聚酰胺612/ Polyamide 612;

随着各种电器产品日趋精致灵巧, 对制品加工精密性要求越来越高。VESTAMID填充金属磁粉的牌号, 其密度大, 尺寸稳定性优异, 特别适合于上述用途。

Increasing complex electronic applications require precisely engineered components. VESTAMID grades containing high concentrations of metal powder are particularly suited to these applications, yielding high-density characteristics and excellent dimension stability.

性能 Properties	测试条件 Test Condition	测试方法 Standard ISO/IEC	单位 Unit	数值 Value
一般性能 (General properties)				
拉伸弹性模量 Elastic modulus in tension	23℃ 50%RH	ISO 527	MPa	1700
拉伸屈服强度 Tensile stress at yield			MPa	55
拉伸屈服伸长率 Elongation at yield			%	11
拉伸断裂强度 Tensile stress at break			MPa	45
拉伸断裂伸长率 Elongation at break			%	>50
悬臂梁冲击强度(缺口)(23℃) Charpy impact strength		ISO 179	KJ/m ²	NB
悬臂梁冲击强度(-30℃) Charpy impact strength			KJ/m ²	NB
悬臂梁冲击强度(缺口)(23℃) Charpy notched impact strength			KJ/m ²	12
悬臂梁冲击强度(缺口)(-30℃) Charpy notched impact strength			KJ/m ²	5
洛氏硬度 Rockwell hardness			ISO 2039	R scale
熔点 Melting point	Method A	ISO 1346	℃	215
热变形温度(0.45MPa) Heat deflection temperature	干燥 DRY	ISO 75	℃	140
热变形温度(1.8MPa) Heat deflection temperature			℃	60
熔体流动速率 Melt flow rate	190℃, 2.16kg	ISO 1133	cm ³ /10min	--
	230℃, 2.16kg		cm ³ /10min	6
线性膨胀系数 Coefficient of linear thermal	干燥 DRY	ISO 11359	×10 ⁻⁴ /℃	1.3
绝缘强度 Dielectric strength	干燥 DRY	IEC 243-1	kV/mm	27
体积电阻率 Volume resistivity	23℃ 50%RH	IEC 93	Ω.m	>10 ¹³
吸水率 Water absorption	23℃,50	ISO 62	%	1.0
	水中 In water		%	2.7
密度 Density	23℃	ISO 1183	Kg/m ³	1070

加工温度 (moding temperature)

熔体温度 (melt temperature)	250℃-290℃
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