

VESTAMID L-R1-MH1sw

PA 12

导电牌号/Conductive Grades;

静电释放会干扰电器设备的正常工作，德固赛有限公司生成的DAIAMID/VESTAMID永久抗静电树脂可有效地消除上述干扰，并具有PA12树脂优异特性，如易加工成型性能，耐腐蚀性能和密度小等。

In many applications, electrostatic discharges can cause interference. Degussa offers permanently antistatic resin based on VESTAMID with a wide range of properties. VESTAMID antistatic grades maintain other important properties of polyamide 12, such as ease of processing, corrosion resistance, and low density.

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	1600
拉伸屈服强度 Tensile stress at yield			MPa	37
拉伸屈服伸长率 Elongation at yield			%	5
拉伸断裂强度 Tensile stress at break			MPa	35
拉伸断裂伸长率 Elongation at break			%	45
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	80
悬臂梁冲击强度(缺口)(23℃) Charpy notched impact strength			KJ/m ²	60
悬臂梁冲击强度(缺口)(-30℃) Charpy notched impact strength			KJ/m ²	8
洛氏硬度 Rockwell hardness			ISO 2039	R scale
熔点 Melting point	Method A	ISO 1346	℃	180
热变形温度(0.45MPa) Heat deflection temperature	干燥 DRY	ISO 75	℃	130
热变形温度(1.8MPa) Heat deflection temperature			℃	50
熔体流动速率 Melt flow rate	190℃, 2.16kg	ISO 1133	cm ³ /10min	--
	230℃, 2.16kg		cm ³ /10min	
线性膨胀系数 Coefficient of linear thermal	干燥 DRY	ISO 11359	×10 ⁻⁴ /℃	
绝缘强度 Dielectric strength	干燥 DRY	IEC 243-1	kV/mm	
体积电阻率 Volume resistivity	23℃ 50%RH	IEC 93	Ω.m	10 ¹
吸水率 Water absorption	23℃,50	ISO 62	%	0.5
	水中 In water		%	1.4
密度 Density	23℃	ISO 1183	Kg/m ³	1100

加工温度 (Moding temperature)

熔体温度 (melt temperature)	190℃-230℃
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成型收缩	ISO294-4 加工条件根据 ISO1874-2	在流动方向 (纵向)	%	1.7
		在相反方向 (横向)		1.7

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