

VESTAMID L2121

PA 12

基本牌号(耐热、抗紫外线稳定)/Basic Grades(Heat and UV Stabilized);

DAIAMID/VESTAMID具有优良的耐候、耐热、耐寒、抗紫外线和耐海水性能，由于汽车，机器等工业设备部件及室外用建材的护套。DAIAMID/VESTAMID is highly resistant to extreme weather conditions. It has excellent resistance to heat, cold, ultraviolet radiation and seawater. It is used for automobile, machinery, and industrial equipment parts; as well as sheathing material for construction, especially for outdoor use.

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°C 50%RH	ISO 527	MPa	350
拉伸屈服强度 Tensile stress at yield			MPa	23
拉伸屈服伸长率 Elongation at yield			%	29
拉伸断裂强度 Tensile stress at break			MPa	50
拉伸断裂伸长率 Elongation at break			%	>50
悬臂梁冲击强度(缺口)(23°C) Charpy impact strength		ISO 179	KJ/m ²	NB
悬臂梁冲击强度(-30°C) Charpy impact strength			KJ/m ²	NB
悬臂梁冲击强度(缺口)(23°C) Charpy notched impact strength			KJ/m ²	NB
悬臂梁冲击强度(缺口)(-30°C) Charpy notched impact strength			KJ/m ²	NB
洛氏硬度 Rockwell hardness			ISO 2039	R scale
熔点 Melting point	Method A	ISO 1346	°C	170
热变形温度(0.45MPa) Heat deflection temperature	干燥 DRY	ISO 75	°C	98
热变形温度(1.8MPa) Heat deflection temperature			°C	45
熔体流动速率 Melt flow rate	190°C, 2.16kg	ISO 1133	cm ³ /10min	2
	230°C, 2.16kg		cm ³ /10min	8
线性膨胀系数 Coefficient of linear thermal	干燥 DRY	ISO 11359	×10 ⁻⁴ /°C	1.8
绝缘强度 Dielectric strength	干燥 DRY	IEC 243-1	kV/mm	30
体积电阻率 Volume resistivity	23°C 50%RH	IEC 93	Ωm	--
吸水率 Water absorption	23°C, 50	ISO 62	%	0.5
	水中 In water		%	--
密度 Density	23°C	ISO 1183	Kg/m ³	1020

加工温度 (Moding temperature)

熔体温度 (melt temperature)	180°C-220°C
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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)	%	0.6
		在相反方向 (横向)		1.65

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