

# VESTAMID L1940

PA 12

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

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。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	1300
拉伸屈服强度 Tensile stress at yield			MPa	40
拉伸屈服伸长率 Elongation at yield			%	9
拉伸断裂强度 Tensile stress at break			MPa	60
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 <sup>2</sup>	NB
悬臂梁冲击强度(-30°C) Charpy impact strength			KJ/m <sup>2</sup>	NB
悬臂梁冲击强度(缺口)(23°C) Charpy notched impact strength			KJ/m <sup>2</sup>	7
悬臂梁冲击强度(缺口)(-30°C) Charpy notched impact strength			KJ/m <sup>2</sup>	9
洛氏硬度 Rockwell hardness			ISO 2039	R scale
熔点 Melting point	Method A	ISO 1346	°C	178
热变形温度(0.45MPa) Heat deflection temperature	干燥 DRY	ISO 75	°C	110
热变形温度(1.8MPa) Heat deflection temperature			°C	50
熔体流动速率 Melt flow rate	190°C, 2.16kg	ISO 1133	cm <sup>3</sup> /10min	3
	230°C, 2.16kg		cm <sup>3</sup> /10min	8
线性膨胀系数 Coefficient of linear thermal	干燥 DRY	ISO 11359	×10 <sup>-4</sup> /°C	1.4
绝缘强度 Dielectric strength	干燥 DRY	IEC 243-1	kV/mm	27
体积电阻率 Volume resistivity	23°C 50%RH	IEC 93	Ωm	>10 <sup>13</sup>
吸水率 Water absorption	23°C,50	ISO 62	%	0.8
	水中 In water		%	1.5
密度 Density	23°C	ISO 1183	Kg/m <sup>3</sup>	1010
成型收缩	ISO294-4 加工条件根据 ISO1874-2	在流动方向 (纵向)	%	0.85
		在相反方向 (横向)		1.15

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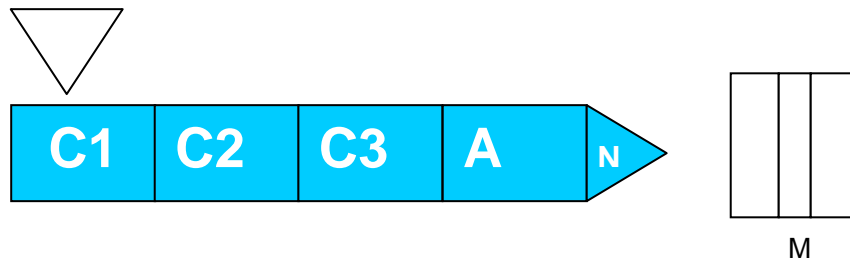
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成型条件(molding condition)

品级 Grades	熔点 Melting Point (°C)	可成型温度范围 Molding Temperature	C1 (°C)	C2 (°C)	C3 (°C)	A (°C)	N (°C)	M (°C)
L1940	180	200-300	190-220	210-240	220-240	220-250	210-240	-50

料筒的结构



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