

VESTAMID L1723

PA12

性能 Properties	测试方法 Test method	单位 Unit	数值 Value
------------------	---------------------	------------	-------------

Physical, thermal, mechanical properties and flammability /物理, 热, 机械性能和易燃性

密度 Density	ISO 1183		g/cm ³	1.03
熔点 Melting temperature	ISO 3146, ISO 11357	Peak temperature 2. heating	°C	173
负载变形温度 Temperature of deflection under load	ISO 75	Method A 1.8 MPa	°C	45
		Method B 0.45MPa	°C	95
维卡软化温度 Vicat softening temperature	ISO 306	Method A 10N	°C	165
		Method B 50N	°C	130
线性热伸展 Linear thermal expansion	ISO 11359	23-55°C ; determined on specimen 45.15.10 mm	10 ⁻⁴ .k ⁻¹	1.8
易燃性 UL94 Flammability acc. UL94	ISO 60695	1.6mm		HB
		3.2mm		HB
吸水率 Water absorption	ISO 62 Determined on 1 mm thick sheets	23°C, saturation ²⁾	%	-
		23°C, 50% rel. humid.	%	0.5
模型收缩率 Mold shrinkage	ISO 294-4 Processing cond ac to ISO 1874-2	In flow direction	%	1.65
		In transverse direction	%	1.5
拉伸强度/Tensile test 屈服强度/stress at yield 屈服拉伸率Strain at yield 断裂强度/Stress at break 断裂拉伸率strain at break	ISO 527-1/2		MPa	30
			%	27
			MPa	-
			%	>50
弯曲模量 Tensile modulus	ISO 527-1/2		MPa	480
悬臂梁冲击强度 CHARPY impact strength ³⁾	ISO 179/1eU	23°C	kJ/m ²	N
		-30°C	kJ/m ²	N
悬臂梁缺口冲击强度 CHARPY notched impact strength ³⁾	ISO 179/1eA	23°C	kJ/m ²	24C
		-30°C	Kj/m ²	5C

Electrical properties /电性能

相对介电率 Relative permittivity	IEC 60250	23°C/100Hz	-	10
		23°C/1MHz	-	3.7
分散因数 Dissipation factor	IEC 60250	23°C/100Hz	10 ⁻⁴	1600
		23°C/1MHz	10 ⁻⁴	1200
电子强度 Electric strength	ISO 60243-1	K20/P50	kV/mm	33
相对漏电跟踪指数 Comparative tracking index CTI	IEC 60112	Test solution A 50 drops value	-	>600
		100 drops value	-	600
体积电阻率 Volume resistivity	IEC 60093		Ω .cm	10 ¹²
电解腐蚀状态 Electrolytic corrosion	IEC 60426		Step	A1

加工温度 (moding temperature)

熔体温度 (melt temperature)	190°C-230°C
-------------------------	-------------

¹⁾sw=black/黑色

²⁾不宜存储在水中

³⁾N=no break /无断裂 C=complete /完全断裂 P=partial break /部分断裂

本资料提供出于诚意, 但绝对无明确或默认的保证, 因此明聚塑胶有限公司并不为此承担任何责任和义务。

The information contained is believed to be reliable, but no warranties, express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

注: 本资料以英文为主。