

性能 Properties	测试方法 Test method	单位 Unit	数值 Value
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**Physical, thermal, mechanical properties and flammability /物理, 热, 机械性能和易燃性**

密度 Density	ISO 1183		g/cm <sup>3</sup>	1.25
熔点 Melting temperature	ISO 3146, ISO 11357	Peak temperature 2. heating	°C	178
负载变形温度 Temperature of deflection under load	ISO 75	Method A 1.8 MPa	°C	55
		Method B 0.45MPa	°C	150
维卡软化温度 Vicat softening temperature	ISO 306	Method A 10N	°C	175
		Method B 50N	°C	155
线性热伸展 Linear thermal expansion	ISO 11359	23-55°C ;determined on specimen 45.15.10 mm	10 <sup>-4</sup> .k <sup>-1</sup>	1.3
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	%	1.1
		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	%	1.2
		In transverse direction	%	1.2
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	47
			%	5
			MPa	38
			%	37
弯曲模量 Tensile modulus	ISO 527-1/2		MPa	2000
悬臂梁冲击强度 CHARPY impact strength <sup>2)</sup>	ISO 179/1eU	23°C	kJ/m <sup>2</sup>	160C
		-30°C	kJ/m <sup>2</sup>	160C
悬臂梁缺口冲击强度 CHARPY notched impact strength <sup>2)</sup>	ISO 179/1eA	23°C	kJ/m <sup>2</sup>	6C
		-30°C	Kj/m <sup>2</sup>	6C

**Electrical properties /电性能**

相对介电率 Relative permittivity	IEC 60250	23°C/100Hz	-	4.1
		23°C/1MHz	-	3.4
分散因数 Dissipation factor	IEC 60250	23°C/100Hz	10 <sup>-4</sup>	310
		23°C/1MHz	10 <sup>-4</sup>	330
电子强度 Electric strength	ISO 60243-1	K20/P50	kV/mm	44
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 <sup>15</sup>
电解腐蚀状态 Electrolytic corrosion	IEC 60426		Step	A1

**加工温度 (moding temperature)**

熔体温度 (melt temperature)	230°C-270°C
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<sup>1)</sup>sw=black/黑色

<sup>2)</sup>N=no break /无断裂 C=complete /完全断裂 P=partial break /部分断裂

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