

VESTAMID® L-R7-MHI

Property 性能试验	Test method 试验方法	Unit 单位	VESTAMID® L-R7-MHI
Physical, thermal, and mechanical properties and combustibility			
Density 密度	ISO 1183	g/cm ³	1.08
Melting temperature 熔点 DSC 2 nd heating 差示扫描量热法, 第二次加热	ISO 11357	°C	178
Temp.of deflection under load 负载变形温度 method A 1.8 MPa method B 0.45 MPa	ISO 75	°C °C	50 130
Vicat softening temperature 维卡软化点 method A 10N method B 50 N	ISO 306	°C	175 140
linear thermal expansion 线性热膨胀 23-55°C	ISO 11359	10 ⁻⁴ K ⁻¹	1.7
Flammability acc. UL94 阻燃性 1.6 mm 3.2 mm	IEC 60695		HB HB
Water absorption 吸水率 23 °C. saturation* 23°C. 50% rel. humidity.	ISO 62	% %	1.5 0.7
Mold shrinkage 成型收缩 in flow direction 在流动方向 (纵向) in transverse direction 在相反方向 (横向)	ISO 294-4 processing acc ISO 1874-2	% %	1.4 1.45
Tensile test 拉伸测试 Stress at yield 屈服应力 Strain at yield 屈服应变 Strain at break 断裂应力 Strain at break 断裂应变	ISO 527-1/-2	MPa % MPa %	36 6 >50
Tensile modulus 拉伸模量	ISO 527-2/-1	MPa	1400
CHARPY impact strength 23 °C 简支梁冲击强度 -30 °C	ISO 179/1eU	kJ/m ² kJ/m ²	N N
CHARPY notched impact strength 23 °C 简支梁缺口冲击强度 -30 °C	ISO 179/1eA	kJ/m ² kJ/m ²	60P 12C
Electrical properties			

Isolation resistance 隔离电阻	IEC 60167	Ω	10 ⁷
Volume resistivity 体积电阻率	IEC 60093	Ω cm	10 ⁷

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