VESTAMID® L-R1-MHI

Property 性能试验	Test method 试验方法	Unit 单位	VESTAMID® L-R1-MHI
Physical, thermal, and mechanical properties and combustibility			
Density 密度	ISO 1183	g/cm³	1.10
Melting temperature 熔点 DSC 2nd 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}	-
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	% %	 -
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	 % %	 1.7 1.7
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 %	 37 5 35 45
Tensile modulus 拉伸模量	ISO 527-2/-1	MPa	1600
CHARPY impact strength 23 °C 简支梁冲击强度 -30 °C	ISO 179/1eU	kJ/m² kJ/m²	N 80C
CHARPY notched impact 23 °C strength 简支梁缺口冲击强度 -30 °C	ISO 179/1eA	kJ/m² kJ/m²	60C 8C
Electrical properties			

Isolation resistance 隔离电阻	IEC 60167	Ω	10_1
Volume resistivity 体积电阻率	IEC 60093	Ω cm	10_1

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