

物性表

TECHNICAL DATA SHEET

PA6 G45NC020			
PA 6 – 45% 玻纤 PA 6 – 45% GLASS FIBRE			
特性 <i>Properties</i>	标准 <i>Standard</i>	单位 <i>Unit</i>	典型值 <i>Typical Values</i>
物理和热/ PHYSICAL & THERMAL			
密度 <i>Density</i>	ISO 1183	g/cm ³	1.54
熔点 <i>Melting Point</i>	DSC	°C	222
成型收缩率 (均值) <i>Mold Shrinkage (average)</i>	-	%	0.3 – 0.6
吸湿率 (浸水) <i>Moisture Absorption (water immersion)</i>	ISO 62	%	0.8
	23°C - 24h		
熔流指数 <i>Melt Flow Index</i>	ISO 1133	g/10min	-
维卡软化温度 <i>Vicat Softening Temperature</i>	ISO 306	°C	223
	50 °C/h - 10 N		
热变形温度 <i>Heat Deflection Temperature</i>	ISO 75-2	°C	225
	0,45 MPa		
热变形温度 <i>Heat Deflection Temperature</i>	ISO 75-2	°C	210
	1,80 MPa		
耐热/球压测试 <i>Heat Resistance / Ball test</i>	IEC 335-1 IEC 60695-10-2	°C	> 165
连续使用温度(无负载) <i>Continuous Use Temperature (without load)</i>	-	°C	110
机械 / MECHANICAL			
屈服拉伸强度 <i>Tensile Strength at Yield</i>	ISO 527	MPa	250
断裂拉伸强度 <i>Tensile Strength at Break</i>	ISO 527	MPa	250
拉伸模量 <i>Tensile Modulus</i>	ISO 527	MPa	13000
屈服拉伸应变 <i>Tensile Strain at Yield</i>	ISO 527	%	2.0
断裂拉伸应变 <i>Tensile Strain at Break</i>	ISO 527	%	2.0
悬挂梁缺口冲击强度 <i>Izod - Notched Impact Strength</i>	ISO 180/A	KJ/ m ²	13
悬挂梁无缺口冲击强度 <i>Izod - Unnotched Impact Strength</i>	ISO 180/U	KJ/m ²	115
电气和可燃性 / ELECTRICAL & FLAME RETARDANCY			
相对起痕指数 (CTI) <i>Comparative Tracking Index (CTI)</i>	IEC 60112	V	500
阻燃性 <i>Flammability</i>	UL 94	-	HB
	3,2 / 1,6 / 0,8 mm		
灼热丝点火温度 (GWT) <i>Glow Wire Flammability Temperature</i>	IEC 60695-2-12	°C	650
	GWFI - 2 mm		
灼热丝点火温度 (GWT) <i>Glow Wire Ignition Temperature</i>	IEC 60695-2-13	°C	-
	GWIT - 2 mm		

成型条件 (建议) / Molding conditions (suggested)

干燥温度 <i>Drying Temperature</i>	≥ 3 h / 90 - 100 °C	成型温度 <i>Molding temperature</i>	230 - 260 °C	模具温度 <i>Mold temperature</i>	70 - 90 °C
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这里提供的信息是出于善意，仅供参考。所有项目要求的特性应认真评估。参数值为成型样品在40小时，23摄氏度和50%相对湿度条件下测得。除非另外声明，这些产品不适合用于食品和医疗应用。他们不应以任何方式被视为对我方部件的正式承诺或保证，尤其是由于第三方对我们产品的不正确使用。
 The information contained herein are supplied in good faith and given purely as an indication. Properties should be carefully evaluated for all projects requirements. Values are referred to moulded samples conditioned for 40h - 23 °C - 50% U.R. Unless otherwise posted this product is not suitable for food and/or medical application and use. They shall not be considered in any way as a formal commitment or warranty on our part especially in case of improper use of our products from third parties.