



SCM International (US) Co., Ltd.



产品性能单 TYPICAL DATA SHEET

第一部分：基本信息 Basic Information

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产品名称 Product name	聚醚醚酮树脂 Polyetheretherketone resin
产品型号 Product grade	8100G
品牌 Brand	PFLUON

第二部分：性能指标 Specifications

材料性能 Properties	测试标准 Test standard	测试条件 Test conditions	单位 Unit	典型值 Typical Value
机械性能 Mechanical properties				
拉伸强度 Tensile strength	ISO527	23°C	MPa	96
断裂拉伸应变 Tensile Stress at Break	ISO527	23°C	%	30
拉伸模量 Tensile modulus	ISO527	23°C	GPa	3.7
弯曲强度 Bending strength	ISO178	23°C	MPa	160
弯曲模量 Bending modulus	ISO179	23°C	GPa	3.8
简支梁冲击强度 Charpy impact strength	ISO 179/1eA	23°C	KJ/m²	10
热性能 Thermal properties				
熔点 Melting point	ISO11357	DSC	°C	343
热变形温度 HDT	ISO 75	1.8Mpa	°C	152
玻璃化转变温度 Glass transition temp.	ISO11357	DSC	°C	150
流动特性 Fluidity				
熔融指数 MVR	ISO1133	380°C/5kg	cm³/10min	11
其他性能 Other properties				
密度 Density	ISO1183	23°C	g/cm³	1.3
易燃等级 Flammable grade	IEC60695	1.6mm	-	V-0

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