



技术数据表
Technical Data Sheet

牌号/Grade:Copolyester SWK-F01

性能 Properties	测试方法 Test Method	典型值 Typical Value	单位 Unit
基础性能 General properties			
粘度 Intrinsic Viscosity	Ubbelodhe viscometer 乌式粘度计	0.758	dL/g
密度 Specific Gravity	ASTM D792	1.27	g/cm3
洛氏硬度 Rockwell Hardness	ASTM D785	106	R-scale
吸水率 Moisture Absorption 24 immersion	ASTM D570	0.12	%
机械性能 Mechanical Properties			
屈服拉伸强度 Tensile Strength @Yield 50mm/min(2 inch/min)	ASTM D638	53.4	MPa
断裂拉伸强度 Tensile Strength @Break 50mm/min(2 inch/min)	ASTM D638	29.5	MPa
屈服伸长率 Elongation @Yield 50mm/min(2 inch/min)	ASTM D638	3.8	%
断裂伸长率 Elongation @Break 50mm/min(2 inch/min)	ASTM D638	138	%
弯曲强度 Flexural Strength 1.27mm/min(2 inch/min)	ASTM D790	68	MPa
弯曲模量 Flexural Modulus 1.27mm/min(3 inch/min)	ASTM D790	2056	MPa
冲击强度 Izod Impact Strength,Notched@23 (73°F)	ASTM D256	95	J/m
热性能 Thermal Properties °C			
热变形温度 Heat Distortion Temperature@0.45MPa(66psi)	ASTM D648	77.5	°C
热变形温度 Heat Distortion Temperature@1.82MPa(264 psi)	ASTM D648	65.6	°C
维卡软化温度 Vicat Softening Temperature@1kg load	ASTM D1525	76	°C

电性能 *Electrical Properties*

表面电阻率 Surface Resistivity	ASTM D257	10	0hm
体积电阻率 Volume Resistivity	ASTM D257	(16)	0hm
介电强度 Dielectric Strength (short time, 2000V/sec)	ASTM D149	10 16 (15)	kV/mm
介电常数 Dielectric Constant 1 kHz 介电常	ASTM D150	2.58	-
数 Dielectric Constant 1 MHz	ASTM D150	2.39	-
耗散因数 Dissipation Factor 1 kHz	ASTM D150	0.0051	-
耗散因数 Dissipation Factor 1 MHz	ASTM D150	0.0255	-

燃烧性能 *Flammability Properites*

UL 阻燃等级 UL FlammabilityClassification 1.50mm	UL94	HB	-
UL 阻燃等级 UL Flammability Classification 3.20mm	UL94	V-2	-

光学性能 *Optical Properties*

雾度/Haze	ASTM D1003	<1	%
透光率/Transmittance	ASTM D1003	90.2	%