KYNAR FLEX®
2800-00

Kynar Flex®树脂 是氟化热塑性塑料共聚物。
特性出色： 耐化学腐蚀性、耐紫外线性、高阻隔特性、高纯度，良好的机械特性和热力学特性。

Kynar Flex® 2800-00树脂 是一种标准的粒状颗粒，与均聚物产品相比，它展现出较低的模量，在碱性和氧化性介质中具有更佳的抗应力断裂性，而且熔点较低。

适用于线缆涂层、管材和板材挤出，大型部件的模压成型。

其他特性：

——使用传统设备易于加工

——优异的热稳定性

——老化后仍可保持特性不变

——可着色

——UL RTI温度额定值为125°C

——辐射交联

[UL 黄卡](http://iq.ul.com/ul/cert.aspx?ULID=244851)

性能	价值	单位	测试标准
流变性能			
熔体体积流动速度	0.5	cm³/10min	ISO 1133
温度	230	°C	-
	446	°F	
载荷	5	kg	-
	11	lb	
熔融指数	3 - 8	g/10min	ASTM D1238
温度	230	°C	-
负载	12.5	kg	-
熔体粘度, 230°C, 100 s^{-1}	22 - 27	kPoise	ASTM D3835
机械性能			
拉伸模量	700	MPa	ISO 527-1/-2
	102000	psi	
拉伸模量, 73 °F	552 - 896	MPa	ASTM D638
	80000 - 130000	psi	
屈服应力	27	MPa	ISO 527-1/-2
	3920	psi	

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屈服应力, 73 °F	20 - 34.5	MPa	ASTM D638
	2900 - 5000	psi	
屈服伸长率	15	%	ISO 527-1/-2
屈服伸长率, 73 °F	10 - 20	%	ASTM D638
名义断裂伸长率	>50	%	ISO 527-1/-2
断裂拉伸强度, 73 °F	17.2 - 34.5	MPa	ASTM D638
	2500 - 5000	psi	
断裂伸长率, 73 °F	100 - 300	%	ASTM D638
TABER耐摩耗性, CS 17 1000g:pad	16 - 19	mg/1000 cycles	ASTM-G195-13A
肖氏硬度, D, 73 °F	60 - 70	-	ASTM D2240
弯曲模量, 73 °F	483 - 758	MPa	ASTM D790
	70000 - 110000	psi	
5%伸长率时弯曲强度, 73 °F	20.7 - 34.5	MPa	ASTM D790
	3000 - 5000	psi	
压缩强度, 73 °F	31 - 41.4	MPa	ASTM D695
	4500 - 6000	psi	
简支梁缺口冲击强度, +23°C	无断裂	kJ/m²	ISO 179/1eA
简支梁缺口冲击强度, -30°C	5	kJ/m²	ISO 179/1eA
	2.38	ftlb/in²	
冲击强度, 73 °F	无断裂	kJ/m	ASTM D256
梁缺口冲击强度, 73 °F	0.534 - 1.07	kJ/m	ASTM D256
	10 - 20	ftlb/in	
摩擦系数, 静态vs.钢, 73°F	0.33	-	ASTM D1894
摩擦系数, 动态vs.钢, 73°F	0.33	-	ASTM D1894
热性能			
熔融温度, 10°C/min	143	°C	ISO 11357-1/-3
熔点	140 - 145	°C	ASTM D3418
玻璃化转变温度, 10°C/min	-40	°C	ISO 11357-1/-2
玻璃化转变温度 (Tg)	-41.1 - -39.4	°C	ASTM D7028
	-42 - -39	°F	
温度额定值为	130	°C	UL RTI
	266	°F	
热变形温度, 1.80 MPa	48	°C	ISO 75-1/-2
	118	°F	

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热变形温度, 264 Psi, 248 °F/hr	40 - 55	°C	ASTM D648
	104 - 131	°F	
热变形温度, 0.45 MPa	68	°C	ISO 75-1/-2
	154	°F	
热变形温度, 66 Psi, 248 °F/hr	60 - 75	°C	ASTM D648
	140 - 167	°F	
维卡软化温度, 50°C/h 50N	79	°C	ISO 306
	174	°F	
线性热膨胀系数, 平行	160	E-6/K	ISO 11359-1/-2
热释放速率, 73 °F	12.6 - 18.5	10E-5/°C	ASTM D696
	7 - 10.3	10E-5/°F	
阻燃等级，1.5mm厚	V-0	class	IEC 60695-11-10
测试用试样的厚度	1.5	mm	-
	0.0591	in	
Yellow Card 现存	是的	-	-
阻燃等级，厚度h	V-0	class	IEC 60695-11-10
测试用试样的厚度	0.8	mm	-
	0.0315	in	
氧指数	43	%	ISO 4589-1/-2
氧指数	42	%	ASTM D2863
热导率	0.144 - 0.18	W/(m K)	ASTM D433
	1 - 1.25	BTU in/(hr ft2 F)	
比热	745 - 958	J/(kg K)	DSC
	0.28 - 0.36	BTU/(lb·°F)	
在空气中热分解	375	°C	1% wt. loss
	707	°F	
在氮气中热分解	410	°C	1% wt. loss
	770	°F	
相对热指数, 机械的	130	°C	UL 746B
	266	°F	
相对热指数, 电气	130	°C	UL 746B
	266	°F	
电性能			
相对介电常数, 100Hz	11	-	IEC 60250
相对介电常数, 1MHz	7	-	IEC 60250

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电介质常数, 1 kHz	3.5 - 10.6	-	ASTM D150
介质损耗因子, 100Hz	520	E-4	IEC 60250
介质损耗因子, 1MHz	2330	E-4	IEC 60250
耗散因素, 100 kHz	0.02 - 0.21	-	ASTM D150
体积电阻率	2E12	Ohm*m	IEC 62631-3-1
体积电阻率, DC 68 °F, 65% R.H.	2E14	Ohm*cm	ASTM D257
表面电阻率, 73 °F	5.1E11 - 5.3E11	Ohm per square	ASTM D257
电介质强度, 73°F	1.3 - 1.5	kV/mil	ASTM D149
其它性能			
吸水性, 23°C, immersion, equilibrium	0.03	%	ISO 62
吸水性	0.03 - 0.05	%	ASTM D570
吸湿性	0.015	%	ISO 62
密度	1780	kg/m³	ISO 1183
	1.78	g/cm³	
比重, 73 °F	1.77 - 1.8	-	ASTM D792
光学特性			
Refractive Index @ sodium D line	1.41	-	ASTM D542

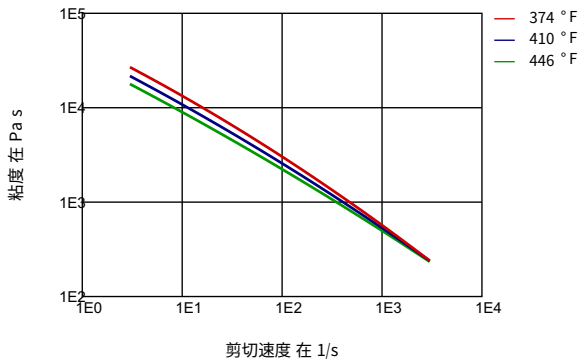
主要应用
——柔性管路
——化工行业中的防腐蚀应用
——涂料（涂装，共挤）
——海上
——带交联和非交联护套的电线和电缆

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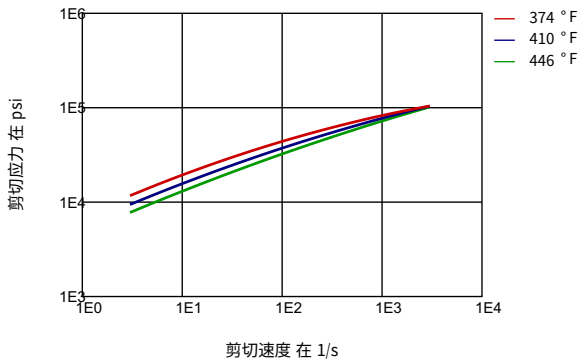
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图表

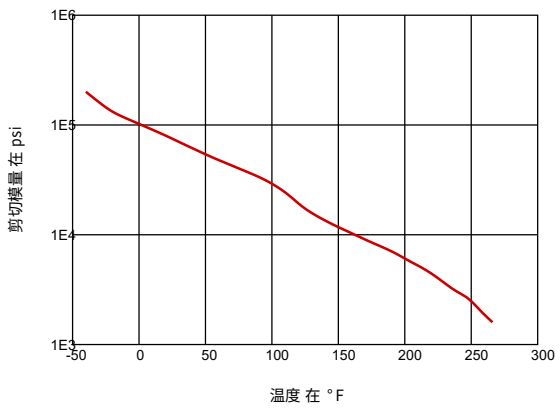
粘度 - 剪切速度



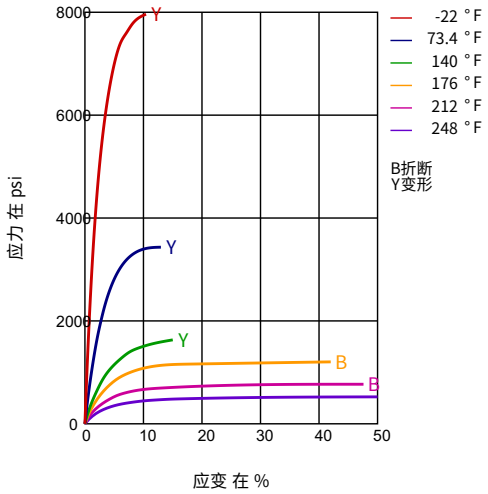
剪切应力 - 剪切速度



动态剪切模量 - 温度



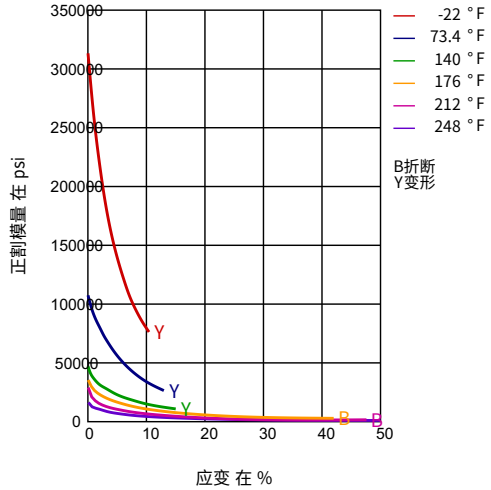
应力 - 应变.



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正割模量 - 应变.



加工方法

异型材挤出成型, 其它挤出成型

供货形式

粒料

特殊性能

热稳定, 光稳定

地区供应

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