

KYNAR FLEX®

2750-01

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、阻隔性强，高纯度。

Kynar Flex® 2750-01树脂 是一种粒料产品，可用于有最高柔韧性或冲击强度要求的场合。
其粉料的供应产品为Kynar Flex® 2751 树脂。

性能	价值	单位	测试标准
流变性能			
熔体体积流动速度	1.9	cm³/10min	ISO 1133
温度	230	°C	-
	446	°F	-
载荷	5	kg	-
	11	lb	-
熔融指数	4 - 14	g/10min	ASTM D1238
温度	230	°C	-
负载	12.5	kg	-
熔体粘度, 230°C, 100 s ⁻¹	20 - 25	kPoise	ASTM D3835
机械性能			
拉伸模量	526	MPa	ISO 527-1/-2
	76300	psi	
拉伸模量, 73 °F	276 - 448	MPa	ASTM D638
	40000 - 65000	psi	
屈服应力	21	MPa	ISO 527-1/-2
	3050	psi	
屈服应力, 73 °F	13.8 - 21.4	MPa	ASTM D638
	2000 - 3100	psi	
屈服伸长率	15	%	ISO 527-1/-2
屈服伸长率, 73 °F	15 - 25	%	ASTM D638
名义断裂伸长率	>50	%	ISO 527-1/-2
断裂拉伸强度, 73 °F	20 - 27.6	MPa	ASTM D638
	2900 - 4000	psi	
断裂伸长率, 73 °F	200 - 400	%	ASTM D638
TABER耐磨耗性, CS 17 1000g:pad	21 - 25	mg/100 cycles	ASTM-G195-13A
肖氏硬度, D, 73 °F	57 - 62	-	ASTM D2240
弯曲模量, 73 °F	276 - 414	MPa	ASTM D790
	40000 - 60000	psi	

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Source: automatically generated TDS from Material Database on 20-02-2024

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5%伸长率时弯曲强度, 73 °F	13.8 - 24.1	MPa	ASTM D790
	2000 - 3500	psi	
压缩强度, 73 °F	24.1 - 31	MPa	ASTM D695
	3500 - 4500	psi	
简支梁缺口冲击强度, +23°C	无断裂	kJ/m ²	ISO 179/1eA
梁缺口冲击强度, 73 °F	无断裂	kJ/m	ASTM D256
摩擦系数, 静态vs.钢, 73°F	0.55	-	ASTM D1894
摩擦系数, 动态vs.钢, 73°F	0.54	-	ASTM D1894
热性能			
熔融温度, 10°C/min	134	°C	ISO 11357-1/-3
熔点	130 - 138	°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)	-40	°C	ASTM D7028
热变形温度, 1.80 MPa	43	°C	ISO 75-1/-2
	109	°F	
热变形温度, 264 Psi, 248 °F/hr	35 - 51.7	°C	ASTM D648
	95 - 125	°F	
热变形温度, 0.45 MPa	57	°C	ISO 75-1/-2
	135	°F	
热变形温度, 66 Psi, 248 °F/hr	48.9 - 65.6	°C	ASTM D648
	120 - 150	°F	
维卡软化温度, 50°C/h 50N	61	°C	ISO 306
	142	°F	
线性热膨胀系数, 平行	177	E-6/K	ISO 11359-1/-2
热释放速率, 73 °F	16.2 - 21.6	10E-5/ °C	ASTM D696
	9 - 12	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	1.6	mm	-
	0.0630	in	
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	49	%	ISO 4589-1/-2
氧指数	43	%	ASTM D2863
热导率	0.144 - 0.18	W/(m K)	ASTM D433
	1 - 1.25	BTU in /(hr ft ² F)	

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比热	745 - 958	J/(kg K)	DSC
	0.28 - 0.36	BTU/(l	
在空气中热分解	375	b ^{°F}	1% wt. loss
	707	°F	
在氮气中热分解	410	°C	1% wt. loss
	770	°F	
电性能			
相对介电常数, 100Hz	11.5	-	IEC 60250
相对介电常数, 1MHz	7	-	IEC 60250
电介质常数, 1 kHz	3.8 - 12.1	-	ASTM D150
介质损耗因子, 100Hz	240	E-4	IEC 60250
耗散因素, 100 kHz	0.02 - 0.24	-	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	4.8E11 - 5.1E11	Ohm per square	ASTM D257
电介质强度, 73°F	1.1 - 1.3	kV/mil	ASTM D149
其它性能			
吸水性, 23°C, immersion, equilibrium	0.03	%	ISO 62
吸水性	0.03 - 0.06	%	ASTM D570
密度	1780	kg/m³	ISO 1183
	1.78	g/cm³	
比重, 73 °F	1.78 - 1.8	-	ASTM D792
光学特性			
Refractive Index @ sodium D line	1.41	-	ASTM D542

主要应用

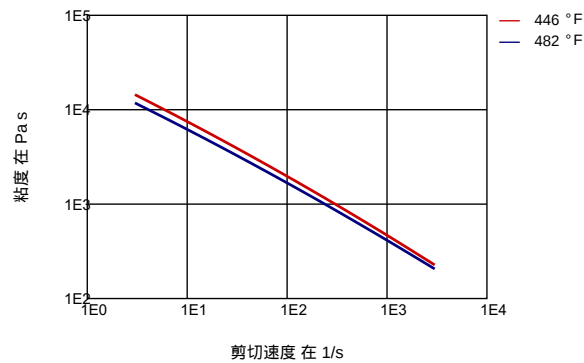
- 柔性管路
- 化工行业中的防腐蚀应用
- 海上
- 电线电缆

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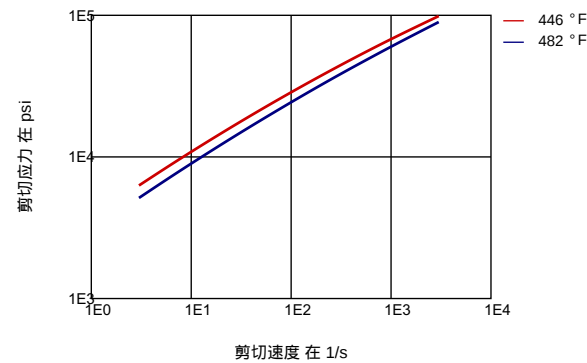
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图表

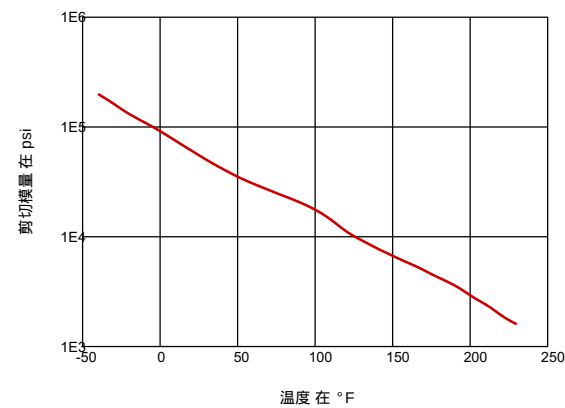
粘度 - 剪切速度



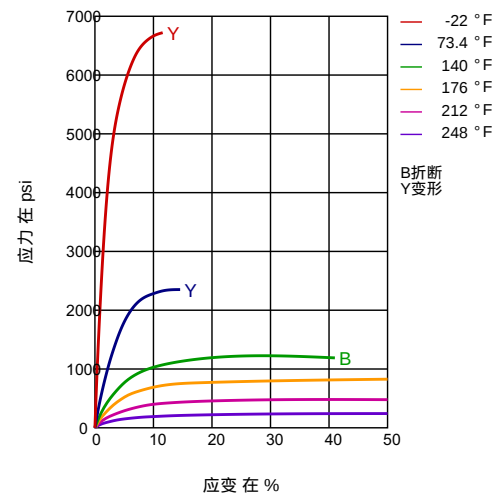
剪切应力 - 剪切速度



动态剪切模量 - 温度



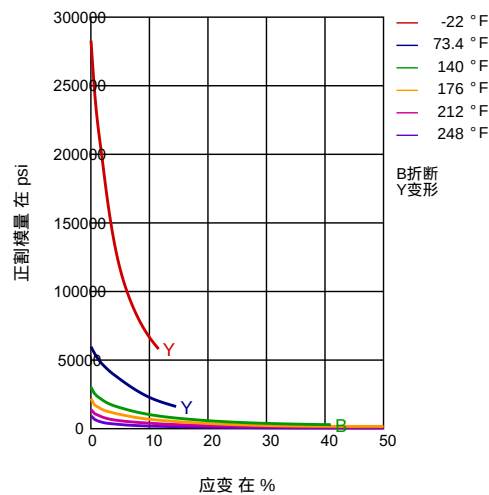
应力 - 应变



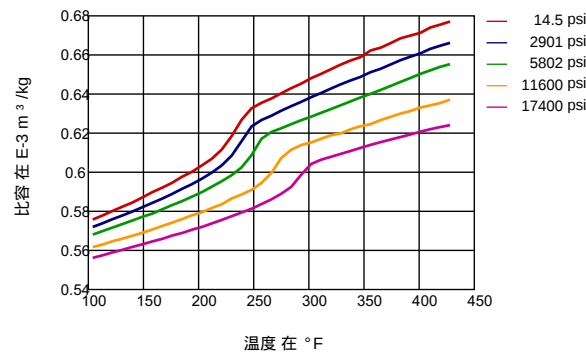
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正割模量 - 应变.



比容 - 温度(PVT)



加工方法

注塑, 片材挤出成型, 其它挤出成型, 传递模塑成型

供货形式

粒料

特殊性能

热稳定, 光稳定

地区供应

北美, 欧洲, 亚太, 中南美洲, 中东/非洲

Headquarters:

Arkema France
420 rue d'Estienne d'Orves 92705
Colombes Cedex France
T +33 (0)1 49 00 80 80
hpp.arkema.com

Arkema Inc. – High Performance Polymers

900 First Avenue
King of Prussia, PA 19406
Tel.: +1 610 205 7000
hpp.arkema.com

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