

KYNAR FLEX®

3030-15

Kynar Flex® 3030-15树脂 是由偏二氟乙烯和六氟丙烯合成的共聚物，专为柔性增压电缆和管路设计。
其主要特性有：

- 柔韧性非常高
- 熔点高
- 优异的低温耐冲击性
- 增压级

性能	价值	单位	测试标准
流变性能			
熔融指数	8 - 25	g/10m in	ASTM D1238
温度	230	°C	-
负载	3.8	kg	-
熔体粘度, 230°C, 100 s ⁻¹	7 - 13	kPoise	ASTM D3835
机械性能			
拉伸模量	290	MPa	ISO 527-1/-2
	42100	psi	
拉伸模量, 73 °F	207 - 345	MPa	ASTM D638
	30000 - 50000	psi	
屈服应力	12	MPa	ISO 527-1/-2
	1740	psi	
屈服应力, 73 °F	12.4 - 16.5	MPa	ASTM D638
	1800 - 2400	psi	
屈服伸长率	30	%	ISO 527-1/-2
屈服伸长率, 73 °F	25 - 40	%	ASTM D638
名义断裂伸长率	>50	%	ISO 527-1/-2
断裂拉伸强度, 73 °F	19.3 - 24.8	MPa	ASTM D638
	2800 - 3600	psi	
断裂伸长率, 73 °F	≥ 500	%	ASTM D638
TABER耐摩耗性, CS 17 1000g:pad	28 - 33	mg/10 00 cycles	ASTM-G195-13A
肖氏硬度, D, 73 °F	45 - 55	-	ASTM D2240
弯曲模量, 73 °F	241 - 379	MPa	ASTM D790
	35000 - 55000	psi	
简支梁缺口冲击强度, +23°C	无断裂	kJ/m ²	ISO 179/1eA

Arkema France - A French "société anonyme", registered in the Nanterre (France)
Trade and Companies Register under the number 319 632 790 SDC/11-2018
Source: automatically generated TDS from Material Database on 20-02-2024

KYNAR FLEX[®]

3030-15

梁缺口冲击强度, 73 °F	无断裂	kJ/m	ASTM D256
热性能			
熔融温度, 10°C/min	164	°C	ISO 11357-1/-3
熔点	160 - 168	°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
热释放速率, 73 °F	15.3 - 19.4 8.5 - 10.8	10E-5/ °C 10E-5/ °F	ASTM D696
阻燃等级, 厚度h	V-0	class	IEC 60695-11-10
测试用试样的厚度	0.8 0.0315	mm in	-
氧指数	90	%	ISO 4589-1/-2
氧指数	≥ 75	%	ASTM D2863
电性能			
体积电阻率	2E12	Ohm* m	IEC 62631-3-1
表面电阻率, 73 °F	7.6E11 - 7.9E11	Ohm per square	ASTM D257
电介质强度, 73°F	1 - 1.2	kV/mil	ASTM D149
其它性能			
吸水性	≤ 0.05	%	ASTM D570
比重, 73 °F	1.78 - 1.82	-	ASTM D792

地区供应	Headquarters:
北美, 欧洲, 亚太, 中南美洲, 中东/非洲	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

Arkema France - A French "société anonyme", registered in the Nanterre (France)
Trade and Companies Register under the number 319 632 790 SDC/11-2018
Source: automatically generated TDS from Material Database on 20-02-2024

KYNAR FLEX[®]

3030-15

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.