

KYNAR FLEX®

3030-50

Kynar Flex® 3030-50 resin is a copolymer of vinylidene fluoride and hexafluoropropylene specifically designed for cable, tubing and heat shrink tubing applications.

Characteristics:

- Excellent crosslink efficiency
- Very high flexibility
- High melting point
- Excellent low temperature impact resistance

A powder form is also available: Kynar Flex® 3031-50.

性能	价值	单位	测试标准
流变性能			
熔融指数	2.5 - 7.5	g/10m in	ASTM D1238
温度	230	°C	-
负载	12.5	kg	-
熔体粘度, 230°C, 100 s ⁻¹	21 - 30	kPoise	ASTM D3835
机械性能			
拉伸模量, 73 °F	207 - 345	MPa	ASTM D638
	30000 - 50000	psi	
屈服应力, 73 °F	11.7 - 15.9	MPa	ASTM D638
	1700 - 2300	psi	
屈服伸长率, 73 °F	25 - 40	%	ASTM D638
断裂拉伸强度, 73 °F	18.6 - 24.1	MPa	ASTM D638
	2700 - 3500	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	50 - 60	-	ASTM D2240
弯曲模量, 73 °F	248 - 303	MPa	ASTM D790
	36000 - 44000	psi	
梁缺口冲击强度, 73 °F	无断裂	kJ/m	ASTM D256
热性能			
熔点	160 - 168	°C	ASTM D3418
玻璃化转变温度 (Tg)	-40	°C	ASTM D7028
温度额定值为	150	°C	UL RTI
	302	°F	

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

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热释放速率, 73 °F	15.3 - 19.4	10E-5/ °C	ASTM D696
	8.5 - 10.8	10E-5/ °F	
氧指数	≥ 43	%	ASTM D2863
电性能			
体积电阻率, DC 68 °F, 65% R.H.	7.8E13 - 8E13	Ohm* cm	ASTM D257
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

加工方法	Headquarters: Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 hpp.arkema.com
异型材挤出成型, 其它挤出成型	
供货形式	
粒料	
地区供应	Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
北美, 欧洲, 亚太, 中南美洲, 中东/非洲	

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