

KYNAR FLEX[®]

3030-10

Kynar Flex®树脂 是氟化热塑性塑料共聚物。

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	5 - 12	kPoise	ASTM D3835
机械性能			
拉伸模量	283	MPa	ISO 527-1/-2
	41000	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
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	162 - 170	°C	ASTM D3418
玻璃化转变温度, 10°C/min	-42	°C	ISO 11357-1/-2
	-43.6	°F	

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

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玻璃化转变温度 (Tg)	-40	°C	ASTM D7028
热释放速率, 73 °F	15.3 - 19.4	10E-5/ °C	ASTM D696
	8.5 - 10.8	10E-5/ °F	
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	45	%	ISO 4589-1/-2
氧指数	42	%	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 - 7.8E11	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

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