

KYNAR FLEX[®]

3030-10

Kynar Flex[®] resins are fluorinated thermoplastic copolymers.

特性	値	単位	テスト基準
レオロジー特性			
メルトフローレイト	8 - 25	g/10m in	ASTM D1238
温度	230	°C	-
荷重	3.8	kg	-
溶融粘度, 230°C, 100 s ⁻¹	5 - 12	kPoise	ASTM D3835
機械的特性			
引張弾性率	283	MPa	ISO 527-1/-2
	41000	psi	
引張弾性率, 73 °F	207 - 345	MPa	ASTM D638
	30000 - 50000	psi	
降伏応力	12	MPa	ISO 527-1/-2
	1740	psi	
降伏応力, 73 °F	12.4 - 16.5	MPa	ASTM D638
	1800 - 2400	psi	
降伏ひずみ	30	%	ISO 527-1/-2
降伏点伸び, 73 °F	25 - 40	%	ASTM D638
破壊呼びひずみ	>50	%	ISO 527-1/-2
破壊応力, 73 °F	19.3 - 24.8	MPa	ASTM D638
	2800 - 3600	psi	
破断伸び, 73 °F	≥ 500	%	ASTM D638
Taber 耐摩耗性, CS 17 1000g:pad	28 - 33	mg/10 00 cycles	ASTM-G195-13A
ショア硬さ, D, 73 °F	45 - 55	-	ASTM D2240
曲げ弾性率, 73 °F	241 - 379	MPa	ASTM D790
	35000 - 55000	psi	
ノッチ付きシャルピー衝撃強さ, +23°C	未破壊	kJ/m ²	ISO 179/1eA
ノッチ付き衝撃強さ, 73 °F	未破壊	kJ/m	ASTM D256
熱的特性			
溶融温度, 10°C/min	164	°C	ISO 11357-1/-3
溶融温度	162 - 170	°C	ASTM D3418
ガラス転移点, 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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ガラス転移温度 (Tg)	-40	°C	ASTM D7028
線膨張係数, 73 °F	15.3 - 19.4	10E-5/°C	ASTM D696
	8.5 - 10.8	10E-5/°F	
厚さhでの燃焼性	V-0	class	IEC 60695-11-10
試験片の厚さ	0.8	mm	-
	0.0315	in	
酸素指数	45	%	ISO 4589-1/-2
酸素指数	42	%	ASTM D2863
電気的特性.			
体積抵抗率	2E12	Ohm* m	IEC 62631-3-1
表面抵抗率, 73 °F	7.6E11 - 7.8E11	Ohm per square	ASTM D257
耐電圧, 73°F	1 - 1.2	kV/mil	ASTM D149
その他の特性.			
吸水率	≤ 0.05	%	ASTM D570
比重, 73 °F	1.78 - 1.82	-	ASTM D792

領域別の利用可能性 北アメリカ, ヨーロッパ, アジア/太平洋地域, 南・中央アメリカ, 近東/アフリカ	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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