

KYNAR FLEX®

3030-10

Kynar Flex® 수지 는 불소화 열가소성 공중합체입니다.

물성들이	값	단위	시험규격
유변학적 특성			
응용 흐름성	8 - 25	g/10m in	ASTM D1238
온도	230	°C	-
하중	3.8	kg	-
응용 점도, 230°C, 100 s ⁻¹	5 - 12	kPoise	ASTM D3835
기계적 특성			
인장탄성률	283 41000	MPa psi	ISO 527-1/-2
인장탄성률, 73 °F	207 - 345 30000 - 50000	MPa psi	ASTM D638
항복강도	12 1740	MPa psi	ISO 527-1/-2
항복강도, 73 °F	12.4 - 16.5 1800 - 2400	MPa psi	ASTM D638
항복변형률	30	%	ISO 527-1/-2
항복변형률, 73 °F	25 - 40	%	ASTM D638
파단시 평균신율	>50	%	ISO 527-1/-2
파단시 강도, 73 °F	19.3 - 24.8 2800 - 3600	MPa psi	ASTM D638
파단시 신율, 73 °F	≥ 500	%	ASTM D638
Taber 마모시험, CS 17 1000g:pad	28 - 33	mg/10 00 cycles	ASTM-G195-13A
쇼어 경도, D, 73 °F	45 - 55	-	ASTM D2240
굴곡 계수, 73 °F	241 - 379 35000 - 55000	MPa psi	ASTM D790
차피 노치드 충격 강도, +23°C	휴식 없음	kJ/m ²	ISO 179/1eA
절입 충격 강도, 73 °F	휴식 없음	kJ/m	ASTM D256
열적 특성			
녹는점, 10°C/min	164	°C	ISO 11357-1/-3
녹는점	162 - 170	°C	ASTM D3418
유리 전이 온도, 10 °C/min	-42 -43.6	°C °F	ISO 11357-1/-2

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

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유리 전이 온도 (Tg)	-40	°C	ASTM D7028
열팽창 계수, 73 °F	15.3 - 19.4	10E-5/°C	ASTM D696
	8.5 - 10.8	10E-5/°F	
두께 H인 제품의 난연성	V-0	class	IEC 60695-11-10
테스트 두께	0.8	mm	-
	0.0315	in	
산소지수로서의 난연성	45	%	ISO 4589-1/-2
산소지수	42	%	ASTM D2863
전기적 특성			
부피 저항	2E12	Ohm* m	IEC 62631-3-1
표면 저항, 73 °F	7.6E11 - 7.8E11	Ohm per square	ASTM D257
전기 압력, 73°F	1 - 1.2	kV/mil	ASTM D149
기타 특성			
물에서의 흡수성	≤ 0.05	%	ASTM D570
비중, 73 °F	1.78 - 1.82	-	ASTM D792

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