

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.

물성들이	값	단위	시험규격
유변학적 특성			
용융 흐름성	2.5 - 7.5	g/10m in	ASTM D1238
온도	230	°C	-
하중	12.5	kg	-
용융 점도, 230°C, 100 s ⁻¹	21 - 30	kPoise	ASTM D3835
기계적 특성			
인장탄성률, 73 °F	207 - 345	MPa	ASTM D638
	30000 - 50000	psi	
항복강도, 73 °F	11.7 - 15.9	MPa	ASTM D638
	1700 - 2300	psi	
항복변형률, 73 °F	25 - 40	%	ASTM D638
파단시 강도, 73 °F	18.6 - 24.1	MPa	ASTM D638
	2700 - 3500	psi	
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	50 - 60	-	ASTM D2240
굴곡 계수, 73 °F	248 - 303	MPa	ASTM D790
	36000 - 44000	psi	
절입 충격 강도, 73 °F	휴식 없음	kJ/m	ASTM D256
열적 특성			
녹는점	160 - 168	°C	ASTM D3418
유리 전이 온도 (Tg)	-40	°C	ASTM D7028
정격 온도	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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열팽창 계수, 73 °F	15.3 - 19.4	10E-5/ °C	ASTM D696
	8.5 - 10.8	10E-5/ °F	
산소지수	≥ 43	%	ASTM D2863
전기적 특성			
부피 저항, DC 68 °F, 65% R.H.	7.8E13 - 8E13	Ohm* cm	ASTM D257
표면 저항, 73 °F	7.6E11 - 7.9E11	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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