

KYNAR® MG15

Kynar® resins are fluorinated thermoplastic homopolymers.

Kynar® MG15 resin is a crystalline high viscosity polymer of polyvinylidene difluoride. It is an engineering polymer with an outstanding balance of physical strength and high chemical resistance which make it ideal for micro and ultra-filtration membranes for durable water purification and other applications.

Kynar® MG15 resin is soluble in selected solvents and can be used in solution processing applications. It is especially recommended for hollow fiber and flat sheet membranes.

Kynar® MG15 resin has NSF, FDA, and USP Class VI certifications for use in potable water, food processing, and bio-pharma applications.

特性	値	単位	テスト基準
レオロジー特性			
熔融粘度, 230°C, 100 s ⁻¹	33 - 39	kPoise	ASTM D3835
機械的特性			
引張弾性率, 73 °F	1380 - 2310	MPa	ASTM D638
	200000 - 335000	psi	
降伏応力, 73 °F	44.8 - 55.2	MPa	ASTM D638
	6500 - 8000	psi	
曲げ弾性率, 73 °F	1380 - 2310	MPa	ASTM D790
	200000 - 335000	psi	
熱的特性			
熔融温度, 10°C/min	168	°C	ISO 11357-1/-3
熔融温度	162 - 172	°C	ASTM D3418
ガラス転移点, 10°C/min	-40	°C	ISO 11357-1/-2
その他の特性			
吸水率	≤ 0.04	%	ASTM D570
密度	1780	kg/m ³	ISO 1183
	1.78	g/cm ³	
比重, 73 °F	1.77 - 1.79	-	ASTM D792
Solution Viscosity, 20°C, #3 Brookfield	≥ 1500	cps	10% NMP Solution Spindle@20 RPM Spindle Viscometer
光学特性			
Refractive Index @ sodium D line	1.42	-	ASTM D542

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

KYNAR[®]

MG15

成形加工法 注型	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
納入形状 パウダー	
特殊な特性 Food Contact Approval	
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	

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