

# KYNAR® MG15 POWDER

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

*The following table and figures summarize the properties of KYNAR® MG15 powder:*

## TYPICAL PROPERTIES\*

PROPERTY	METHOD (ASTM)	CONDITIONS	ENGLISH / COMMON UNITS	VALUE
Specific Gravity	D792	73°F (23°C)	-	1.77 - 1.79
Refractive Index	D542	at Sodium D Line	-	1.42
Melt Viscosity	D3835	230°C, 100 sec-1	Kpoise	35 - 39
Melting Temperature	D3418	-	°F (°C)	324 - 342 (162 - 172)
Solution Viscosity	10% NMP solution Spindle @ 20 rpm Spindle Viscometer	20°C, #3 Brookfield	cps	1,500 - 2,000
Tensile Yield Strength	D638	73°F (23°C)	psi (MPa)	6,500 - 8,000 (34 - 55)
Tensile Break Elongation	D638	73°F (23°C)	psi (MPa)	20 - 100
Tensile Modulus	D638	73°F (23°C)	psi (MPa)	200,000 - 335,000 (1,379 - 2,310)
Flexural Modulus	D790	73°F (23°C)	psi (MPa)	200,000 - 335,000 (1,655 - 2,310)

\*Typical property values. Should not be construed as sales specifications.

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See MSDS for Health & Safety Considerations