Kynar® MG15

Polyvinylidene Fluoride

Arkema

Message:

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.

General Information			
Features	Crystalline		
	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Strength		
	High Viscosity		
Uses	Fibers		
	Membranes		
	Sheet		
Agency Ratings	FDA Food Contact, Unspecified Rating		
	NSF Unspecified Rating		
	USP Class VI		
Forms	Powder		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.77 to 1.79	g/cm³	ASTM D792
Solution Viscosity [1]	1500 to 2000	mPa·s	Brookfield
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	1380 to 2310	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	44.8 to 55.2	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	20 to 100	%	ASTM D638
Flexural Modulus (23°C)	1380 to 2310	MPa	ASTM D790
Thermal	**Nominal Value**	**Unit**	**Test Method**
Peak Melting Temperature	162 to 172	°C	ASTM D3418
Optical	**Nominal Value**		**Test Method**
Refractive Index [2]	1.420		ASTM D542
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Melt Viscosity (230°C, 100 sec^-1)	3500 to 3900	Pa·s	ASTM D3835
NOTE			

1.	10% NMP solution, Spindle @ 20 rpm, 20°C, #3
2.	at Sodium D Line

Recommended distributors for this material

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