

# Kynar Ultraflex® B

Polyvinylidene Fluoride

Arkema

## Message:

KYNAR ULTRAFLEX® B is a semi-crystalline copolymer of vinylidene fluoride and hexafluoropropylene. This copolymer is a highly flexible material that can be melt- processed using typical melt processing equipment or can be easily put in solution for solution coating process. It can be supplied in as pellets for melt processing or as crumb to facilitate solubilization.

Some important properties of KYNAR ULTRAFLEX® B are:

High flexibility

Toughness

Weatherability

Solution properties - list of solvents is available upon request.

General Information			
Features	Good Flexibility		
	Good Toughness		
	Good Weather Resistance		
	Semi Crystalline		
Forms	Crumb		
	Pellets		
Processing Method	Solution Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80 to 1.83	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 22°C	90 to 94		
Shore D, 22°C	39 to 43		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	5.65 to 6.34	MPa	
Break	22.1 to 26.2	MPa	
Tensile Elongation			ASTM D638
Yield	25 to 35	%	
Break	500 to 1000	%	
Flexural Modulus	68.9 to 138	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	198 to 233	°C	ASTM D3418
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	> 40	%	ASTM D2863
Fill Analysis	Nominal Value	Unit	Test Method

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#### Recommended distributors for this material

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