

Kynar Flex® 3120-10

Polyvinylidene Fluoride

Arkema

Message:

KYNAR FLEX® 3120-10 is a pelletized, semi-crystalline VF2 based copolymer. KYNAR FLEX® 3120-10 can be extruded or injection molded to make final products with a 150°C rating.

ADDITIONAL CHARACTERISTICS:

- Excellent thermal stability
- Excellent abrasion resistance
- Impervious to UV degradation

General Information			
Features	Good Abrasion Resistance		
	Good Thermal Stability		
	Good UV Resistance		
	Semi Crystalline		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.77 to 1.79	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	65 to 70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	24.1 to 34.5	MPa	
Break, 23°C	34.5 to 48.3	MPa	
Tensile Elongation (Break, 23°C)	300 to 550	%	ASTM D638
Flexural Modulus (23°C)	621 to 827	MPa	ASTM D790
Flexural Strength (23°C)	20.7 to 34.5	MPa	ASTM D790
Compressive Strength (23°C)	31.0 to 41.4	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	161 to 168	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity ¹ (20°C)	2.0E+14	ohms · cm	ASTM D257
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (232°C, 100 sec ⁻¹)	400 to 1200	Pa · s	ASTM D3835
NOTE			
1.	65% R.H.		

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Recommended distributors for this material

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