

# Kynar Flex® 3120-15

Polyvinylidene Fluoride

Arkema

## Message:

KYNAR FLEX® 3120-15 is a pelletized, semi-crystalline VF2 based copolymer.

KYNAR FLEX® 3120-15 has been specifically designed for use in wire and cable constructions which require a 150°C rating and improve flame and smoke resistance.

KYNAR FLEX® 3120-15 is easily processed and has excellent physical, mechanical, thermal and flame resistant characteristics. KYNAR FLEX® 3120-15 meets the smoke and flame requirements of UL 910.

### ADDITIONAL CHARACTERISTICS:

Excellent thermal stability

Excellent abrasion resistance

Impervious to UV degradation

Extremely low smoke emission characteristics

General Information			
UL YellowCard	E54699-534489		
Features	Good Abrasion Resistance		
	Good Thermal Stability		
	Good UV Resistance		
	Low Smoke Emission		
	Semi Crystalline		
Uses	Wire & Cable Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.76 to 1.79	g/cm <sup>3</sup>	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 <sup>1</sup> (20°C)	2.0E+14	ohms · cm	ASTM D257
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (232°C, 100 sec <sup>-1</sup> )	500 to 1200	Pa · s	ASTM D3835

## NOTE

1. 65% R.H.

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### Recommended distributors for this material

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