

# Kynar® 760

Polyvinylidene Fluoride

Arkema

## Message:

KYNAR® 760 is a semi-crystalline high molecular weight pelletized polymer of vinylidene fluoride. It is a versatile engineering plastic with an outstanding balance of physical and chemical properties which qualify it for high performance service in a wide range of applications. It is a thermoplastic fluoropolymer capable of being fabricated in standard processing equipment. The molecular weight and molecular weight distribution have been carefully tailored to supply a grade suitable for a variety of processing requirements and end-use applications.

KYNAR® 760 is suitable for the compression molding of block and extrusion of thick monofilaments and pipe.

The powder form of this resin grade is available as KYNAR® 761 PVDF.

General Information			
UL YellowCard	E54699-636464		
Features	High Molecular Weight		
	Semi Crystalline		
Uses	Filaments		
	Piping		
Forms	Pellets		
Processing Method	Compression Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.77 to 1.79	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	76 to 80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	44.8 to 55.2	MPa	
Break, 23°C	34.5 to 55.2	MPa	
Tensile Elongation (Break, 23°C)	20 to 100	%	ASTM D638
Flexural Modulus (23°C)	1380 to 2310	MPa	ASTM D790
Flexural Strength (23°C)	58.6 to 75.8	MPa	ASTM D790
Compressive Strength (23°C)	68.9 to 103	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	165 to 172	°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> )	2300 to 2900	Pa · s	ASTM D3835
NOTE			

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#### Recommended distributors for this material

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