

KYNAR® 460 PELLETS/461 POWDER

- KYNAR® 460 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.
- The powder form of this resin is available as KYNAR® 461.

The following table and figures summarize the properties of KYNAR® 460 pellets and KYNAR® 461 powders:

TYPICAL PROPERTIES*

<u>PROPERTY</u>	<u>METHOD</u>	<u>CONDITIONS</u>	<u>ENGLISH / COMMON UNITS</u>	<u>VALUE</u>
Specific Gravity	D792	73°F (23°C)	-	1.75 - 1.77
Melt Viscosity	D3835	450°F, 100 sec-1	poise	23,500 - 29,500
Melting Temperature	D3418	-	°F (°C)	311 - 320 (155 - 160)
Tensile Yield Strength	D638	73°F (23°C)	psi (MPa)	5,000 - 7,500 (34 - 52)
Tensile Break Strength	D638	73°F (23°C)	psi	4,500 - 7,000 (31 - 48)
Tensile Break Elongation	D638	73°F (23°C)	%	50 - 250
Flexural Strength	D790	73°F (23°C)	psi (MPa)	7,000 - 9,000 (48 - 62)
Flexural Modulus	D790	73°F (23°C)	psi (MPa)	200,000 - 260,000 (1,379 - 1,792)
Compressive Strength	D695	73°F (23°C)	psi (MPa)	8,000 - 10,000 (34 - 69)
Hardness	D2240	73°F (23°C)	Shore D	75 - 80
Volume Resistivity	D257	DC 68°F (20°C) 65% R.H.	ohm-cm	2 x 10 ¹⁴

Typical property values. Should not be construed as sales specifications.

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See MSDS for Health & Safety Considerations