KYNAR® 370 PELLETS

- **KYNAR® 370 resin is a pelletized, semi-crystalline polymer of vinylidene fluoride. It is a versatile engineering plastic with an outstanding balance of physical and chemical properties that qualify it for high performance service in a wide variety of applications. It is a fluoropolymer capable of being fabricated on standard processing equipment.**

- **KYNAR® 370 is a low viscosity grade that has been filled with carbon to enhance physical properties. Mold shrinkage and thermal expansion are decreased by the addition of carbon. The shrinkage in molding of this product is very similar to that of polypropylene. This modification also increases the tensile strength, modulus, and heat deflection temperature substantially. KYNAR® 370 can be injection molded and extruded.**

The following table and figures summarize the properties of KYNAR® 370 pellets:

TYPICAL PROPERTIES*

PROPERTY	METHOD	CONDITIONS	ENGLISH / COMMON UNITS	VALUE
Specific Gravity	D792	73°F (23°C)	-	1.84 - 1.88
Melt Viscosity	D3835	450°F, 100 sec-1	poise	8,000 - 13,000
Melting Temperature	D3418	-	°F(°C)	329 - 342 (165 - 172)
Tensile Yield Strength	D638	73°F (23°C)	psi (MPa)	5,000 - 8,000 (34 - 55)
Tensile Break Strength	D638	73°F (23°C)	psi	5,500 - 8,000 (38 - 55)
Tensile Break Elongation	D638	73°F (23°C)	%	0 - 20
Flexural Strength	D790	73°F (23°C)	psi (MPa)	20,000 - 30,000 (138 - 207)
Flexural Modulus	D790	73°F (23°C)	psi (MPa)	800,000 - 1,000,000 (5,515 - 6,895)
Compressive Strength	D695	73°F (23°C)	psi (MPa)	20,000 - 25,000 (138 - 172)
Hardness	D2240	73°F (23°C)	Shore D	74 - 79
Volume Resistivity	D257	DC 68°F (20°C) 65% R.H.	ohm-cm	1×10^{11}

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

KYNAR® BY ARKEMA

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