

KYNAR FLEX® 2800-00 PELLETS

- KYNAR FLEX® 2800-00 is a pelletized, semi-crystalline VF₂ based copolymer. KYNAR FLEX® 2800-00 has been specifically designed for use in wire and cable constructions and other uses requiring high flexibility and improved resistance to impact. For chemical applications, it can be extruded into sheets and tubing. KYNAR FLEX® 2800-00 can be injection molded.

ADVANTAGES:

- Improved flexibility at subzero temperatures to -20°C(-4°F)
- Improved stress crack resistance to -20°C(-4°F)
- Improved elongation at break

ADDITIONAL CHARACTERISTICS:

- Easy processability using conventional equipment
- Excellent thermal stability
- Excellent chemical resistance
- Retains properties after aging
- Meets UL 910 smoke and flame requirements as cable jacket
- UL temperature rating 125°C
- Radiation crosslinking

The following table and figures summarize the properties of KYNAR FLEX® 2800-00 pellets:

TYPICAL PROPERTIES*

PROPERTY	METHOD	CONDITIONS	ENGLISH / COMMON UNITS	VALUE
Specific Gravity	D792	73°F (23°C)	-	1.77 - 1.80
Melt Viscosity	D3835	450°F, 100 sec ⁻¹	poise	22,000 - 27,000
Melting Temperature	D3418	-	°F (°C)	284 - 293 (140 - 145)
Tensile Yield Strength	D638	73°F (23°C)	psi (MPa)	2,900 - 5,000 (20 - 34)
Tensile Break Strength	D638	73°F (23°C)	psi (MPa)	2,500 - 5,000 (17 - 34)
Tensile Break Elongation	D638	73°F (23°C)	%	100 - 300
Flexural Strength	D790	73°F (23°C)	psi (MPa)	3,000 - 5,000 (20 - 34)
Flexural Modulus	D790	73°F (23°C)	psi (MPa)	70,000 - 110,000 (620 - 827)
Compressive Strength	D695	73°F (23°C)	psi (MPa)	4,500 - 6,000 (31 - 41)
Hardness	D2240	73°F (23°C)	Shore D	60 - 70
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