

# KYNAR FLEX®

## 3120-50 PELLETS/3121-50 POWDER

- KYNAR FLEX® 3120-50 is a pelletized semi-crystalline VF2 based copolymer. It can be molded or extruded and has a useful temperature range from -40°C - 150°C. KYNAR FLEX® 3120-50 has a UL RTI of 150°C
- KYNAR FLEX® 3121-50 can be used in compounding for wire and cable as well as other extrusion applications.
- KYNAR FLEX® 3121-50 is a specially designed powder used as a polymer process aid (PPA) for polyolefins. The use of KYNAR FLEX® 3120-50 or KYNAR FLEX 3121-50 at 200 - 1000 ppm levels reduces extruder pressure, improves surface finish, reduces die build up, and improves gauge control.

**The following table and figures summarize the properties of KYNAR FLEX 3120-50 pellets and KYNAR FLEX® 3121-50 powder:**

### 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)	-	1.76 - 1.79
Melt Viscosity	D3835	450°F, 100 sec <sup>-1</sup>	poise	20,000 - 26,000
Melting Temperature	D3418	-	°F (°C)	322 - 334 (161 - 168)
Tensile Yield Strength	D638	73°F (23°C)	psi (MPa)	3,500 - 5,000 (24 - 34)
Tensile Break Strength	D638	73°F (23°C)	psi (MPa)	5,000 - 7,000 (34 - 48)
Tensile Break Elongation	D638	73°F (23°C)	%	300 - 550
Flexural Strength	D790	73°F (23°C)	psi (MPa)	3,000 - 5,000 (20 - 34)
Flexural Modulus	D790	73°F (23°C)	psi (MPa)	90,000 - 120,000 (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	65 - 70
Volume Resistivity	D257	DC 68°F (20°C) 65% R.H.	ohm-cm	2 x 10 <sup>14</sup>

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

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See MSDS for Health & Safety Considerations