

KYNAR FLEX® 2850-02

Kynar Flex® resins are fluorinated thermoplastic copolymers.

Kynar Flex® 2850-02 has been specifically designed for use in wire and cable constructions which require an Underwriters Laboratories temperature of 150°C and a Limiting Oxygen Index (LOI) of at least 75.

Kynar Flex® 2850-02 is easily processed and has excellent physical, mechanical, thermal and flame resistant characteristics. **Kynar Flex® 2850-02** meets the smoke and flame requirements of UL 910 and ASTM E84 (the Modified Steiner Tunnel Test). This copolymer is commonly used for pipe, wire jacketing, conduits, and in injection molded parts.

ADDITIONAL CHARACTERISTICS:

- Excellent thermal stability
- Excellent abrasion resistance
- Impervious to UV degradation
- Self extinguishing material
- Extremely low smoke emission characteristics
- 0/0 rating in ASTM E-84/UL 723

MAIN CHARACTERISTICS

PROPERTIES	VALUE	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Viscosity, 230°C, 100 s-1	16 - 20	kPoise	ASTM D3835
MECHANICAL PROPERTIES			
Tensile Strength at Yield, 73 °F	31 - 41.4	MPa	ASTM D638
Tensile Strength at Break, 73 °F	27.6 - 48.3	MPa	ASTM D638
Elongation at Break, 73 °F	30 - 200	%	ASTM D638
Hardness, Shore D, 73 °F	70 - 75	-	ASTM D2240
Flexural Modulus, 73 °F	1030 - 1240	MPa	ASTM D790
Flexural Strength @ 5% Strain, 73 °F	20.7 - 34.5	MPa	ASTM D790
Compressive Strength, 73 °F	41.4 - 58.6	MPa	ASTM D695
THERMAL PROPERTIES			
Melting Point, 73 °F	155 - 160	°C	ASTM D3418
ELECTRICAL PROPERTIES			
Volume Resistivity, DC 68 °F, 65% R.H.	2E14	Ohm*cm	ASTM D257
OTHER PROPERTIES			
Specific Gravity, 73 °F	1.77 - 1.8	-	ASTM D792

MAIN APPLICATIONS:

- injection molded applications requiring the high chemical and temperature resistance properties of Kynar 2850-00 resin

DELIVERY FORM

Pellets

REGIONAL AVAILABILITY

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

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KYNAR FLEX®
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