KYNAR FLEX®

TECHNICAL DATA SHEET

KYNAR FLEX® 2750-10

FLUORINATED COPOLYMER PELLET

Kynar Flex® resins are fluorinated thermoplastic copolymers.

Outstanding characteristics: chemical resistance, resistance to UV, barrier properties and high purity.
Kynar Flex® 2750-10 resin is a grade of pellets to be used where maximum flexibility or impact strength is required. This product is NSF/ANSI/CAN 61 certified.

TYPE

PVDF

MAIN APPLICATIONS

- plenum conduit
- plenum cable

DELIVERY FORM

- Pellets

RHEOLOGICAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Melt flow index (MFR)	12	g/10min	ISO 1133
Melt viscosity, 230°C (446°F) at 100 s-1	7	kPo	ASTM D3835

MECHANICAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Tensile modulus, 23°C (73°F)	480	MPa	ISO 178
Yield stress, 23°C (73°F)	20	MPa	ISO 527-1/-2
Yield strain, 23°C (73°F)	16	%	ISO 527-1/-2
Izod impact notched strength, 23°C (73°F)	no break	J/m	
Izod impact unnotched strength, 23°C (73°F)	no break	J/m	
Nominal strain at break, 23°C (73°F)	200	%	ISO 527-1/-2

THERMAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Limiting oxygen index (LOI)	44	%	ASTM D2863
Melting temperature, DSC 10°C/min	134	°C	ASTM D3418
Heat deflection temperature, 1.8 MPa	44	°C	ISO 75-1/-2

PACKAGING

Available packaging:
- 25 kg / 55 lb rigid container
- 680 kg /1500 lb rigid container

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PROCESSING CONDITIONS:

- Typical melt temperature (Min / Recommended / Max) - Injection Molding: 180°C / 210°C / 240°C (355°F / 410°F / 465°F)
- Typical mold temperature - Injection molding: 20-80°C (70-175°F)

SPECIAL CHARACTERISTICS

- Flame & smoke

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